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W. H. Tracy & Co. CATALOGUE
1908



U. S. Department of Agriculture
Washington, D. C.

**THE
PIONEER SEED
CO.**

SEEDS

**POULTRY SUPPLIES
AND**

Garden Tools

**1514-1516-1518 FIFTEENTH ST.
DENVER, COLO.**

The PIONEER SEED CO.

1514-16-18 15th Street, Denver, Colo.

TO OUR FRIENDS:

In presenting this our annual Catalogue we send greeting and trust that the past year has been a prosperous one for all to whom this shall come.

The Pioneer Seed Co. has, during the year, succeeded to the business of the Lee Pioneer Seed Co., and have moved from the old location on Wazee street to new quarters at 1514-16-18 Fifteenth street, within a block of the former store.

It will be our aim to secure for our customers seeds of the purest kinds, true to name and in order to get the best, we are importing largely from some of the first and foremost growers in Europe, where seeds of the highest quality are known to be grown. Your trade is solicited and in placing your orders with us you may rest assured they will be filled with accuracy and as promptly as possible from stocks that cannot be excelled in either east or west. **Do not be attracted** by glowing magazine advertisements of eastern houses, but remember we can furnish you equally as good if not better stock than much of that offered by eastern houses.

Do not wait until you are ready to plant before sending in your order—**order early**. We are very much rushed during the planting season and by getting your order in early you will avoid the rush. We have no book accounts in the mail department and it will be necessary in ordering to inclose the proper amount either in currency, Bank Draft, Post Office or Express Money Order. No seeds will be sent C. O. D. If checks on banks outside of Denver are inclosed, add 10c for each \$50.00 for exchange or bankers collection charge.

We will pay postage on all orders for Vegetable and Flower seeds in packets and quantities of any one variety up to one pound except on Peas, Beans, Corn, Grass and Field seeds, for which send 8c per pound extra if desired sent by mail. In the absence of other instructions all small orders will be sent by express to your nearest express office.

We urge all intending purchasers to use our **order blank**. Be careful to fill in all the blank spaces at top of sheet. Do not leave anything for us to guess at and be sure to sign your name in full.

We exercise great care and diligence in the selection of our stocks of seeds, plants, bulbs, etc., to have them true to name and of the best germinating quality, but we do not give and our employees are forbidden to give any warranty whatsoever. If you do not accept them under these conditions, they must be returned at once and your money will be refunded.

Those who have planted our seed stock for years have prospered and we wish you a prosperous New Year. Begin it right by ordering early from

THE PIONEER SEED CO.,
1514-16-18 Fifteenth Street,
Denver, Colorado.

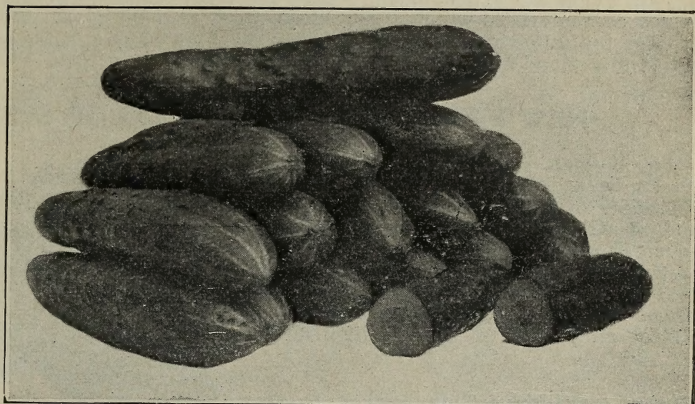
Rufus Brown,
Manager.

LIST OF NOVELTIES AND VARIETIES

THAT HAVE PROVEN TO BE OF SPECIAL MERIT.

Davis Perfect Cucumber.—

We introduced this fine Cucumber last season with confidence in its superiority, and we were not mistaken. Specimens of the fruit both from the hot house and open garden, have proven to us that all that was said of it has proven true. If we were to write a page reciting its merits, all we could say would be—That it is a remarkably attractive fruit, because of it always being long, always slim, always green, always productive, and always profitable; with these qualities, what more can be said in its favor. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb, 75c; lb, \$2.50.



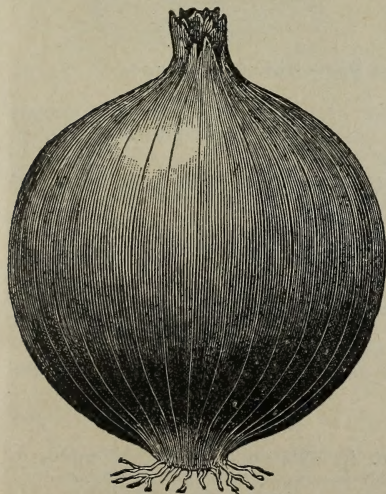
Extra Early Jersey Wakefield Cabbage. "Special Stock."—

We have paid particular attention to this strain, realizing the great advantage recurring to the Gardener, who wants a really genuine solid heading Cabbage of the earliest type. We have used every endeavor to obtain the finest strains. This seed has been grown specially for us, from stock seed, by one of the best growers in Europe. The plants are so compact that nearly a third more heads can be grown on a given space, than from the old strain. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb, \$1.00; lb, \$3.50.



Extra Early Jersey Wakefield

THREE TRUE SOUTHPORT GLOBE ONIONS.



Southport Red Globe.

The Southport Onions are the leading varieties used on the markets of the eastern cities. The seed we offer is grown for us from bulbs specially selected before being planted to produce the crop of seed we now offer. Under proper conditions these stocks will produce large crops of fine well matured onions of best form and colors, uniform in size and ripening.

Southport Yellow Globe. This strain of onion produces very handsome bulbs of perfect globe shape, with a brownish yellow skin, white crisp grained flesh, two to two and one-half inches in diameter, maturing earlier than the Red Globe. The necks are very slender, thus insuring earlier maturity of the bulbs, as well as the keeping quality. Oz., 20c; $\frac{1}{4}$ lb, 60c; lb, \$2.00.

Southport White Globe. Of true globe shape, flesh of a fine white crisp grain, easily the finest of all our American varieties of market onions. Oz., 20c; $\frac{1}{4}$ lb, 60c; lb, \$2.00.

Southport Red Globe.—Is by far the finest and most richly colored of all our Red Globes, it is of perfect shape, two to three inches in diameter, uniform in size, thin necked, and maturing down to a hard solid ball, thus insuring the largest percentage of market onions, and the best keeping qualities. Our seed is the best that can be produced, and under proper conditions will yield a most satisfactory crop. Oz., 20c; $\frac{1}{4}$ lb, 60c; lb, \$2.00.

THE PIONEER SEED COMPANY'S LIST OF SWEET PEAS. "OUR SPECIALTY."

Our stock of Sweet Peas is grown for us by one of the foremost growers in California, is fully up to our general standard. There are over 200 varieties now advertised by seedsmen, many of which are synonymous, others are either small flowering, of weakly growth, or lacking in some characteristic which a first class variety should have. We have revised our list for 1908, and offer the following varieties as being the best of each color and form, and which are easily entitled to a place in the front rank of Sweet Peas.

NEW SWEET PEAS—"COUNTESS OF SPENCER" TYPE.

John Ingman.—This grand Sweet Pea, with its beautifully fluted flowers of gigantic size, is of a rich carmine rose, in the standard with wings of a deep rosy pink, frequently measuring two inches across the standards, generally borne four on a stem, which is very long. A vigorous grower and profuse bloomer, is a Sweet Pea worthy of trial by all lovers of this popular flower. Pkt., 10c.

Queen Alexandra.—This variety is very free flowering, its bold expanded blooms of finest form, of intense scarlet color, are of giant size, with very long stems, which do not burn in the sun, commends itself to all growers of Sweet Peas. It requires plenty of room, eighteen inches between the plants not being any too much space. Pkt., 10c.

Henry Eckford.—This handsome and distinct flower has caused much excitement amongst lovers of Sweet Peas. Perfect in shape, unique in color, vigorous in growth, it is wonderfully free flowering, bearing its bright shining orange self-colored flowers two inches across, of the true giant type on long strong stems, makes it one of the best acquisitions to the Sweet Pea Family. It should be allowed at least eighteen inches between the plants. Pkt., 10c.



Sweet Pea—New Giant Type.

Countess Spencer.—A magnificent flower. Bright clear pink of largest size, showing deeper shade at edges, open form, wavy petals, standard and wings very large, measuring two inches across, long stems. Pkt., 10c.

Marchioness of Cholmondeley.—Exquisite color, flower of the true grandiflora type, standard light salmon, buff and cream, wings are light buff. Pkt., 10c.

Helen Lewis.—Standard crimson, orange, wings orange rose, very large size, open form, wavy edges. The blooms are of gigantic size, the ruffled standard, measures two inches across. Pt., 10c.

Janet Scott.—Clear deep but bright pink, shaded buff, large size, hooded form, wings upright and curled, distinct color, and is a shade on which the grower spent years to develop. Pkt., 10c.

Helen Pierce.—Pure white, veined blue, the blossoms are of good size of true hooded type, long stems, very unique. Pkt., 10c.

WHITE.

Dorothy Eckford.—"White Seeded." The best pure white in existence, is semi-hooded, of the best form, with very large wings, and large standard, which averages two inches across.

Blanche Burpee.—"White Seeded." Pure white, somewhat over medium size, slightly hooded form; it is more graceful than the whites of open form.

PINK AND WHITE SHADES.

Extra Early, Blanche Ferry.—Standard rose, wings white, tinged with pink. Medium size, open form. Very early.

Prima Donna.—Pure pink, self colored. Over medium size, hooded form. The vine is a vigorous grower, and there are usually four blossoms to the stem. It is the best of the pink varieties.

Katherine Tracey.—Standard, soft pink, wings a trifle lighter tone; almost a self color. Medium size; open form; very vigorous grower, bearing two blossoms to the stem.

Royal Rose.—Standard crimson pink, shading deeper at mid-rib; wings pink, shading lighter at edges. Very large, semi-hooded form of the best type.

Hon. F. Bouverie.—Standard and wings are both deep pink at the base, shading to very light pink at the edges. The pink shades are on a primrose ground, giving a buff effect to the blossom.

Agnes Johnson.—Pink and buff shaded and blended in the standard, wings pinkish buff; open form; medium size.

Countess of Lathom.—Cream pink, self colored; medium size; of hooded form; primrose ground instead of white.

Sadie Burpee.—"Black Seeded." Fully matured blossoms are pure white, but the bud and newly opened blossoms show quite a tint of bluff and pink. Large size, hooded form.

MAROON SHADES.

Black Knight.—Very deep maroon, the veins on the middle of the standard showing almost black; practically self-colored; large size; open form. One of the darkest varieties.

Boreatton.—An old favorite; dark maroon; self colored; medium size, open form. Similar to Black Knight, but not as large a flower.

Othello.—Very dark maroon, veins almost black; practically a self color, of large size and hooded form.

Dorothy Tennant.—Rose purple, self colored; large size, hooded form of the best type and is distinct.

SCARLET SHADES.

Mars.—Bright red (crimson scarlet), self colored; rather above medium size; hooded form; turns purple quite readily when blossoms are fully matured.

Salopian.—Pure red (crimson scarlet), self colored. Large size, hooded form. The best and most satisfactory of all the crimson scarlets or bright red varieties. The color is clear and bright, though deep and rich. The color stands the sun better than other reds of this shade, and the blossoms are of the best form.

King Edward VII.—Bright red (crimson scarlet). Almost self colored, but the standard is a little brighter than the wings. Very large and of open form.

Prince Edward of York.—Standard scarlet with tint of crimson; wings crimson; large size, open form. Standard is round and wavy on the edges.

VARIEGATED SHADES.

Lady Mary Currie.—Standard crimson orange, wings crimson with tint of orange. There is a tint of lilac at base of both standard and wings. Rather over medium size, hooded form. The color is very light and extremely bright.

America.—Crimson scarlet striped on white; large size, open form. Standard is indented on top, narrow at base; is the brightest striped variety we have.

BLUE SHADES.

Navy Blue.—Standard indigo and violet. Wings indigo at base, shading to navy blue and bright blue. Medium size, semi-hooded form. Standard very irregular in shape, frequently doubled and crimped; the whole effect of the flower is very blue, though the standard and wings are inclined to turn a little bronze with the sun.

Captain of the Blues.—Standard almost clear purple; wings blue, tinged with purple; flowers are not as large as Countess of Cadogan.

Countess of Cadogan.—Standards open nearly purple, but soon change to lilac and later to blue; wings bright blue, shading lighter at edges. Whole effect quite a bright blue in well matured flowers.

Duke of Sutherland.—Standard dark violet and purple, somewhat wavy on the edges. Wings violet and indigo. Large hooded form.

LAVENDER.

Countess of Radnor.—Mauve standard, lavender wings, newly opened blossoms a little deeper than those well matured. Medium size, hooded form.

Lady Grisel Hamilton.—Standard mauve; wings lavender; large size, hooded form. Largest and lightest shade of lavender varieties.

Lottie Eckford.—Standard white, quite heavily shaded throughout with lilac, wings white, shaded and tinted with lighter lilac. Both standard and wings have a rim of deep blue. Large size, hooded form, strongly inclined to double. In well matured and older blossoms the color turns to a decided light blue.

ROSE SHADES.

Prince of Wales.—Rose crimson, self colored. The vine is a vigorous grower and the stem usually bears four blossoms; is the largest and finest of this shade of red.

Her majesty.—Rose crimson, self colored, the wings are frequently somewhat lighter; large size, hooded form. A very vigorous grower, and usually bears four blossoms to the stem.

YELLOW SHADES.

Primrose.—"White Seeded," light primrose, self colored. Medium size, open form. Standard is inclined to turn back. Supposed to be a shade deeper than other varieties of this tint, but if so, it is very slight.

Mrs. Eckford.—"White Seeded." Light primrose, self colored; large size, semi-hooded form of best type.

The Honorable Mrs. E. Kenyon.—Light primrose, self colored, very large, semi-hooded form. The latest and best of this shade.

Stella Morse.—Buff, with tint of pink, showing a little deeper at the edges, both standard and wings are the same. In the bunch the color has a rich cream effect; it is quite yellow in the bud.

Golden Rose.—Primrose, lightly striped and mottled with light pink. Very large, semi-hooded form of the finest type; wings unusually large; both standard and wings quite wavy at edges.

MAGENTA AND MAUVE SHADES.

Fascination.—Standard lilac or mauve; wings tinged with blue. The blossom turns to quite a decided blue with age. Large size, hooded form.

Lady Nina Balfour.—Standard mauve; wings lavender. The whole color is on a primrose ground, giving the blossom a pearl gray tone, and it seems quite distinct on this account.

Lord Roseberry.—Bright magenta rose, showing veins of deeper shade. Large hooded form.

Pioneer Special Mixture.—This is a mixture of all the above choice varieties, and is far superior to any offered on this market, as all the old and inferior blooming varieties have been eliminated. This mixture has given the greatest satisfaction the past year.

PRICE LIST OF SWEET PEAS.

All named varieties as follows (except where specially noted): Oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 60c. The Pioneer Special Mixture, oz., 10c; $\frac{1}{4}$ lb, 15c; lb, 40c.

OUR SELECTION OF THE CHOICEST STRAINS OF NASTURTIUMS.

We offer the following varieties, selected from the choicest colors grown. (There are many similar, but the following are the best.)

Nasturtium.—"Tom Thumb or Dwarf Growing." This type of Nasturtium is unrivaled for beauty and effect, forming compact plants of not over one foot high, making gorgeous masses of color from early summer until killed by frost. Succeeds under all weather conditions, and unsurpassed for all garden purposes. Plant freely and anywhere. Price (except where otherwise noted), oz., 15c; $\frac{1}{4}$ lb, 45c.

Bronze Color.—Flowers of a peculiar burnished bronze color.

Brilliant Yellow.—Profuse bloomer, with flowers of a clear bright yellow with a glossy finish.

Cattell's Crimson.—Fine bloomer, the best of its class; flowers very dark rich crimson or scarlet.

Chameleon.—New French.—The flowers are of most diversified coloring, and many brilliant markings on a single plant. Oz., 20c; $\frac{1}{4}$ lb, 60c.

Cloth of Gold.—Compact plants with bright golden yellow leaves, and brilliant scarlet flowers.

King of Tom Thumbs.—The old favorite, and which still bears the lofty title, as the highest of its class; deep green foliage; glowing scarlet flowers; very profuse bloomer. Oz., 10c; $\frac{1}{4}$ lb, 30c.

King Theodore.—A great favorite, with dark foliage; flowers of a dark rich velvety crimson maroon.



Nasturtium Dwarf.

TALL OR TRAILING NASTURTIUMS.

Too well known to need a long description, no better plant can be used for covering unsightly fences, or buildings, or they can be trained to any picket fence, or screen, making the most attractive ornament in the flower garden. Our selections are made from the best varieties, both as to color, foliage and vigorous growth. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 45c; (unless otherwise noted).

Butterfly.—The color is a light lemon yellow, marked on the three lower petals with a blotch of rich terra cotta red. The two upper petals are marked in shades of bright red. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 60c.

Golden Leaved Scarlet.—Golden yellow foliage, bearing flowers of rich velvety maroon, very fine; very effective when planted alternately with dark foliated types.

King Theodore.—Very showy, foliage dark green, with flowers of rich velvety crimson, profuse bloomers, bearing flowers of large size.

Regalium.—Very unique, vigorous grower, profuse bloomer, bearing handsome flowers of a rich, purplish violet. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 60c.

Sunlight.—The flowers of largest size are beautifully colored, of a clear golden yellow. Individual flowers are produced measuring nearly three inches across; is a profuse bloomer.

Salmon Queen.—“Improved Vesuvius.” A magnificent variety, with dark green foliage, from which stand out in bold contrast most showy flowers of a rich, soft, velvety shade of salmon; very fine and a profuse bloomer.

Mixture of all the above kinds, tall varieties. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c.

Mixture of all the above kinds, dwarf varieties. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c.

CULTURAL INSTRUCTIONS.

Sweet Peas.—Early in spring make a trench about four inches deep, in rich mellow soil, so arranged that no water can stand in it, and plant the seed in the bottom, covering no more than two inches. In soils at all heavy, or composed largely of clay, put about an inch of sand in the bottom of the trench, sow the seed on this, covering with more sand—cover the row with a board to shed the rain, and protect

the soil from the hot sun, but remove this as soon as the young plants appear. When the plants are about five inches high, gradually fill up the trench, and furnish some support for the vines to run upon. The blooms should be picked before they run to pods or plants will soon stop flowering. White Seeded sorts should not be sown until the ground is comparatively dry and warm.

No. 4



KILLS A Wonderful,
Sulpho- Inexpensive
Tobacco Soap
INSECTS Insecticide

Destroys cabbage-, squash- and potato-bugs, currant-worms, lice, green-fly, mealy bug, red spider, etc. Sure death to all plantinsects indoors and out-of-doors. Of special value for spraying shrubs, fruit-trees and vines. Produces luxuriant roses if bushes are sprayed liberally before blooming-time.

3-oz. Cake makes $1\frac{1}{2}$ gallons prepared solution. **10 cents. Mailed, postpaid, for 13 cents.**

8-oz. Cake makes 4 gallons prepared solution. **20 cents. Mailed, postpaid, for 28 cents.**

10-lb. Cake makes 80 gallons prepared solution. **By Express, \$3.00.**

Free with every order, “The Window Gardener,” a booklet by Eben E. Rexford, giving valuable information on the cultivation of plants and the extermination of insects.



VEGETABLE SEEDS

On Beans, Peas, Corn and Onion sets add 8c per lb. when sent by mail. On other vegetable and flower seeds we pay postage except where noted.

ARTICHOKE.

Artichaut—Alcahofa—Artischoke.

Sow in April in rich soil, transplant the following spring to permanent beds, in rows three feet apart and two feet between the plants. Only a partial crop can be gathered the first season, but as it is a perennial, the beds will remain in bearing for years. Protect in winter by a covering of leaves or coarse manure.

Large Green Globe.—The best for general culture. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb, 80c.

Jerusalem.—Tubers in season. 10c per lb.

Write for Special prices on quantities.

ASPARAGUS.

Asperge—Esparrago—Spargel.

Sow as early in the spring as the ground will permit, in rows a foot apart. Keep carefully hoed and free from weeds; and the plants will be in condition to set out the following spring. The soil for the permanent beds should be thoroughly manured, and trenched to a depth of at least two feet. Plant in rows; spread the roots well out, and let the crown of the plant be covered about six or eight inches when established. Previous to sowing the seeds, soak in tepid water for twenty-four hours. 1 oz. of seed to 60 feet of drill.

Early Giant Argenteuil.—This is the famous Paris specialty. The stalks grow to a mammoth size. When well grown some weigh four ounces. The head is slightly pointed and the scales with which it is covered are very closely set, overlapping one another. It is early, and so very vigorous it is but little troubled with rust. The flavor is superb. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 30c; lb, \$1.00.

Conover's Colossal.—A mammoth variety of vigorous growth, unrivaled in size, productiveness and quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 60c.

Palmetto.—An early prolific, and very desirable variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 75c.

Columbia Mammoth, White.—This is a most distinct variety, the stalks are very large, produce abundantly and very early; they are clear white and remain so as long as they are fit for use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 75c.



Early Refugee.

BEANS—DWARF OR BUSH.

Add 8c per lb for postage.

Haricots Nains—Frijoles—Bush-oder-Brech-Bohnen.

A succession of sowings can be made from the first week in May until August. Plant in drills about two inches deep, and from eighteen inches to two feet apart, according to the richness of the soil; the poorer the soil the closer they can be planted; the plants should be about three inches apart. One pound to 50 feet of drill. One hundred pounds to an acre.

Green Podded Sorts.

✓ **Early Red Valentine.**—Early, productive, tender, and of excellent flavor. Continues longer in the green state than most of the varieties. Pkt., 5c; lb, 15c; 2 lbs, 25c.

✓ **Early Long Yellow Six-Weeks.**—Early and prolific; an excellent variety for general use. Pkt., 5c; lb, 15c; 2 lb, 25c.

✓ **Best of All.**—Pods long, very fleshy, succulent, stringless, and of rich flavor; are produced early and abundantly; one of the most valuable green podded beans for market or family use. Pkt., 5c; lb, 15c; 2 lbs, 25c.

✓ **Burpee's Stringless Green Pod.**—The pods are a rich green, very round and straight, five inches long, tender, brittle and of the finest flavor, entirely stringless, even when fully matured. Pkt., 5c; lb, 20c; 2 lbs, 35c.

✓ **Refugee.**—The finest and most prolific bean for pickling purposes grown. Pkt., 5c; lb, 15c; 2 lbs, 25c.

✓ **Large White Kidney.**—Excellent as a shell bean, green or ripe. Pkt., 5c; lb, 15c; 2 lbs, 25c.

✓ **Canadian Wonder.**—Seeds deep maroon. Grows a strong, luxuriant vine of branching habit. Height, 20 inches. Pkt., 5c; lb, 15c; 2 lbs, 25c.

✓ **White Marrow.**—Extensively grown for sale in the dry state. Pkt., 5c; lb, 15c; 2 lbs, 25c.

**Burpee's Bush Lima.****Dwarf Bush Lima and Shell Beans.**

✓ **Burpee's Bush Lima.**—A bush form of the large pole Lima, the beans being large and flat, like those of that variety. It is very productive, and its dwarf character is well established. Pkt., 5c; lb, 20c; 2 lbs, 35c.

✓ **Henderson's Bush Lima.**—Said to be the earliest bush Lima grown. Pkt., 5c; lb, 20c; 2 lbs, 35c.

✓ **Dwarf Horticultural.**—Vine vigorous, productive, half early. Pods and beans similar to the Tall Horticultural, and the green beans equally good. Pkt., 5c; lb, 15c; 2 lbs, 25c.

Beans—Pole or Running.

✓ **Lazy Wife.**—This sort is popular in many localities. As its name indicates, a handful of choice, stringless pods at a single grab. The pods are broad, thick, very fleshy and entirely

stringless, and possess a rich buttery flavor when cooked. The beans are white and make a very good dry bean for winter use; may be grown either on poles or on corn. Pkt., 5c; lb, 20c; 2 lbs, 35c.

Early Golden Cluster Wax.

The early Golden Cluster begins to bear early in July, and continues until frost; pods are six to eight inches long, borne in clusters of three to six, and are of a beautiful golden yellow color and the flavor is most delicious. It can be used shelled or as a string bean. Pkt., 5c; lb, 20c; 2 lbs, 35c.

Scarlet Runner.

—This variety grows fifteen feet high, has flowers of brilliant scarlet, and is generally cultivated as an ornamental climber. Pkt., 5c; lb, 20c.

Large White Lima.

—The old standard variety, very productive and of fine flavor. Pkt., 5c; lb, 20c; 2 lbs, 35c.

**Beans—English or Broad.**

✓ **Broad Windsor.**—Best for general use. Pkt., 5c; lb, 20c.

Dwarf Wax Beans.

✓ **Golden Wax.**—An entirely distinct variety; the pods are large, long and brittle, and entirely stringless. Pkt., 5c; lb, 15c; 2 lbs, 25c.

✓ **Improved Golden Wax.**—Possesses all the good points of the old Golden Wax, but is larger in pod and much more prolific; of tender, melting flavor at all stages of its growth. Pkt., 5c; lb, 15c; 2 lbs, 25c.

✓ **Black Wax, or Butter.**—(Stringless).—An excellent and much esteemed bean, with transparent, wax-yellow, tender pods; an excellent variety. Pkt., 5c; lb, 15c; 2 lbs, 25c.

✓ **Golden-Eyed Wax.**—(Rust proof).—This sort is undoubtedly one of the most profitable sorts for the market gardener, being early and enormously productive. Pkt., 5c; lb, 15c; 2 lbs, 25c.

✓ **Flageolet Wax.**—Fine variety, long, yellow pods; very prolific. Pkt. 5c; lb, 20c; 2 lbs, 35c.

✓ **White Wax.**—A variety with wax-like pods. Very similar to the Black Seeded Wax, except in color of seeds. Pkt., 5c; lb, 15c; 2 lbs, 25c.

Crystal White Wax.—The long, round pods are greenish white, transparent, entirely stringless, crisp, tender and very slow to harden. Pkt., 5c; lb, 15c; 2 lbs, 25c.

Ivory Pod Wax.—The pods are long, brittle, stringless, of a transparent ivory white, tender, succulent and of a rich, creamy flavor. Pkt., 5c; lb 15c; 2 lbs, 25c.

Early Refugee Wax.—A perfect refugee with wax pods, long, round, of golden yellow color; stringless. It is suitable for early or late sowing. Pkt., 5c; lb, 20c; 2 lbs, 35c.

Valentine Wax.—The earliest of all Wax Beans. Similar in shape and form of growth to the Green Valentine, but the color is a rich waxy yellow. The pods are round, meaty, and almost stringless. A popular sort with market gardeners because of its extreme earliness and great productiveness. Pkt., 5c; lb, 20c; 2 lbs, 35c.

Davis' White Wax.—Immensely productive, bearing large, handsome, straight pods six inches in length. The pods are, however, tough and with decided strings. The dry seed being white, is desirable for winter market as a shell bean. Pkt., 5c; lb, 20c; 2 lbs, 35c.



Beet—Columbia.

BEETS.

Betterave—Remolacha—Rube.

Beets require a deep, rich, mellow soil, and may be sown from early spring to commencement of summer. Drop about one inch deep, in drills twelve to eighteen inches apart. One ounce to 50 feet of drill; 6lbs to an acre.

Extra Early Flat Bassano.—Chiefly valuable for its earliness; flesh pink, tender and sweet. Per oz., 10c; ¼ lb, 15c; lb, 45c.

Extra Early Dark Egyptian.—It is very early, and of a deep crimson color; most valued in beets. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 60c.

Crosby's Improved Egyptian.—A very superior strain of Blood Red Egyptian. The shape is very desirable, not quite so flat as the ordi-

nary Egyptian, nor so round as the Eclipse. A decided advantage for an extra early marketable beet. Price, oz., 10c; ¼ lb, 20c; lb, 60c.



Crosby's Egyptian.

Columbia or Trevis.—An extra fine early beet, round and smooth with deep red flesh, very early and tender. Per oz., 10c; ¼ lb, 20c; lb, 60c.

Eclipse.—Very early. It grows exceedingly smooth and symmetrical, with small tops, and is a splendid cropper. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 60c.

Early Blood Turnip.—The standard early sort. Top very small, tender, sweet and a good keeper. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 60c.

Dewing's Early Blood Turnip.—Roots deep blood red, of fine form and flavor; very early. Pkt., 5c; oz., 10c; ¼ lb, 15c; lb, 50c.

Detroit Dark Red.—A choice variety of early turnip Beet, skin dark red, flesh bright red. Pkt., 5c; oz., 10c; ¼ lb, 25c; lb, 70c.

Edmand's Early Blood Turnip.—The best sort for general crop. In quality one of the finest, exceedingly dark, shape globular, having only one tap root. Very popular with market men. Pkt., 5c; oz., 10c; ¼ lb, 15c; lb, 50c.

Improved Dwarf, Deep Blood.—The roots are half long, medium size, well formed, and of a very dark crimson color. Flesh fine-grained, sweet, tender and excellent for table use. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 60c.

Improved Long Blood.—Excellent for winter use; smooth-skinned; flesh dark red. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 60c.

Swiss Chard.

Large Ribbed Curled.—The mid-rib alone of the leaf of this variety of beet is used. It is boiled as asparagus. The root is worthless. One ounce to 50 feet of drill. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 60c.

Sugar Beets for Sugar.

Vilmorin's Improved.—Very rich in sugar, always leafy, neck of the root wide, and skin rather wrinkled; flesh very compact. Under average conditions it yields about 14 tons of roots to the acre, containing 16 to 18 per cent. of sugar. Per oz., 5c; lb, 35c.

White Klein Wanzleben Sugar Beet.—Has a rather long, slender root, very rich in sugar, growing deeply sunk in the ground, and is claimed to yield, under average conditions,

about 16 tons to the acre, containing 12 to 18 per cent. of sugar. Per oz., 5c; lb, 35c.

Sugar Beets for Feeding Stock.

Giant Feeding Sugar Beet, or Half Sugar Mangel.—Introducing this beet to our customers for the first time, we believe that by careful selection and breeding the grower has established a strain of beets, which while giving nearly as large a yield of easily grown and harvested roots as a crop of Mangels, supplies a food of very much higher nutritive value. The roots are red-skinned, grows half out of the ground, and on account of this together with their shape, the crop can be harvested and stored easily, and at less expense than any other root crop. Per oz., 10c; lb, 35c.



Royal Giant or Half Sugar Beet.

Royal Giant, or Half Sugar Rose.—A variety of highest nutritive value for feeding—egg shaped, growing partly out of the ground, it is very easily harvested. Similar to Giant Feeding Sugar, except color of skin, which is bright rose above ground, and white below. Per oz., 10c; lb, 35c.

White Sugar.—A large variety; grown extensively for feeding stock. Oz., 5c; lb, 35c.

Imperial Sugar.—An improvement on the White Sugar; used for feeding stock. Oz., 5c; lb, 35c.

Early Red Skinned Sugar.—Green top, used extensively for feeding stock, earlier than the White; it is an excellent variety for sugar. Oz., 5c; lb, 35c.

Special quotations on large lots.

MANGEL WURTZEL FOR STOCK FEEDING.

Red Globe Mangel.—A large, round, red-colored variety, of excellent keeping qualities, and

produces large crops on shallow soil: Oz., 5c; lb, 35c.

Yellow Globe Mangel.—Similar to Red Globe except in color. Oz., 5c; lb, 35c.

Long Red Mangel.—A large, long variety, grown principally for feeding stock; color, light red; flesh white and rose-colored; very hardy and keeps well. Oz., 5c; lb, 35c.

Mammoth Long Red Mangel.—A particularly fine stock of mangel. The roots attain an enormous size. Oz., 5c; lb, 35c.

Yellow Ovoid Mangel.—In shape this sort is intermediate between the Long and Globe varieties, and is without doubt one of the finest mangels grown in Colorado. Oz., 5c; lb, 35c.

Golden Tankard.—A special feature is the rich, deep yellow color of the flesh, far exceeding any other mangel in its nutritious and milk-producing qualities. On account of its peculiar shape it can be left very close in the rows, and therefore it is a very heavy cropper. Oz., 5c; lb, 40c. Special prices on large quantities.

BRUSSELS SPROUTS.

Chou de Bruxelles—Bretones de Bruselas—Rosen Kohl—Kohl-sprosser.

This is one of the best vegetables for winter use, producing from the axils of the leaves an abundance of sprouts resembling small cabbages; of excellent mild flavor. One ounce produces, 1,500 plants.

Tall French.—Very fine variety and very tender. Pkt., 5c; oz., 15c; ¼ lb, 45c; lb, \$1.50.

Improved Dwarf.—A variety producing compact sprouts of excellent quality. Pkt., 5c; oz., 15c; ¼ lb, 45c; lb, \$1.50.

BROCCOLI.

Chou-Broccoli—Broccoli—Spargelkohl.

Nearly allied to the Cauliflower, but more hardy. The seed should be sown in the early part of May, and transplanted in June. It succeeds best in a moist and rather cool atmosphere. One ounce produces 1,500 plants.

Early Large White.—Very early; heads solid, firm and of most delicious flavor. Pkt., 5c; oz., 35c; ¼ lb, \$1.00.

CABBAGE.

Chou-Pomme—Col de repollo—Kopfkohl.

The ground must be highly manured, deeply dug or plowed, and thoroughly worked to insure good, full-sized heads. A heavy, moist and fresh loam is most suitable. The early sort should be sown very early in hot-beds, hardened off and transplanted early in the spring. One ounce produces 2,500 plants.

Lee's Wonderful.—The earliest of all cabbages, and is unsurpassed in fine quality, great beauty and vigor of growth, and pronounced by market gardeners a perfect wonder; it has the shape of our well-known Lee's Excelsior, but is smaller and can be planted closer together. Pkt., 5c; oz., 15c; ¼ lb, 50c; lb, \$1.75.

Hollander True.—A shorter stemmed variety of the famous Danish Ballhead. Our own importation from Denmark; it is well known to our customers. It has a shorter stem than the Ballhead variety. The heads average larger in size, set on shorter stalks. They are ex-

tremely hard and solid, with the inside leaves blanched to the purest white, crisp flavor and tender texture. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb, 75c; lb, \$2.25.



Lee's Wonderful.

Danish Ballhead.—Sold as Hollander. Well known and deservedly liked by the majority of growers for the great solidity and keeping quality of the heads. We know from the experience of so many of our customers who purchase our Danish-grown seed, that it surpasses so many of the so-called "Hollander" cabbages. It differs from the true Hollander or Short Stemmed Ballhead only in the length of the stalks, and size of the heads. Our seed is imported direct from the grower in Denmark. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 60c; lb, \$2.00.

Lee's Excelsior.—Ten days earlier than the Jersey Wakefield, and producing well-formed, conical shaped heads, remarkably large for so early a ripener. Whoever plants it will be amazed at its early maturity, and if he be a market gardener, will be able to place it in market ahead of all competitors. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 50c; lb, \$1.75.

Extra Early Jersey Wakefield.—The "Selected Market Gardener's Stock." Extensively grown in all parts of the country as the best and most profitable early variety in cultivation, heading readily. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 65c; lb, \$2.00.

Early Summer.—The earliest large-heading cabbage; growth compact, so that it may be set as close as the earlier sorts; ten days later than the Wakefield; heads large, flat, handsome and keeps longer without bursting. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 65c; lb, \$1.75.

Early Winnigstadt.—The best for general use, being a sure header, and will grow a hard head under circumstances where most sorts would fail. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 40c; lb, \$1.50.

Surehead.—Produces large, round, flattened heads, of the Flat Dutch type, and is remarkable for its certainty to head. It is the best cabbage for main crops. It is very sweet flavored, has scarcely any loose leaves, keeps well, good for shipping. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 50c; lb, \$1.65.

Fottler's Improved Brunswick.—A remarkable and valuable variety. The earliest and very best Drumhead yet offered. Heads large, tender, solid and highly flavored. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 50c; lb, \$1.65.

Marblehead, Mammoth.—This is a late vari-



Short Stem Hollander Cabbage.

ety and the largest of all cabbages. Heads have been grown weighing sixty pounds. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 50c; lb, \$1.75.

Large Drumhead.—The earliest of the large-heading Drumheads; remarkably tender; very handsome and uniform. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 50c; lb, \$1.50.

Stone Mason.—In earliness the Stone Mason is upward of a week ahead of the Premium Flat Dutch, and makes a harder head. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 50c; lb, \$1.50.

Premium Flat Dutch.—A low-growing variety. Heads large, bluish-green, round, solid, broad and flat. It is a fall or winter variety, and one of the best to keep. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 60c; lb, \$2.00.

Early Dwarf Flat Dutch.—This is the improved strain of the Early Flat Dutch, the head being rounder and harder; of excellent flavor. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 65c; lb, \$1.75.

All Seasons.—This cabbage is without doubt a great acquisition. It has all the good qualities of the Early Summer, but much larger. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 65c; lb, \$1.75.

Mammoth Rock Red.—The best red cabbage in cultivation. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 50c; lb, \$1.75.

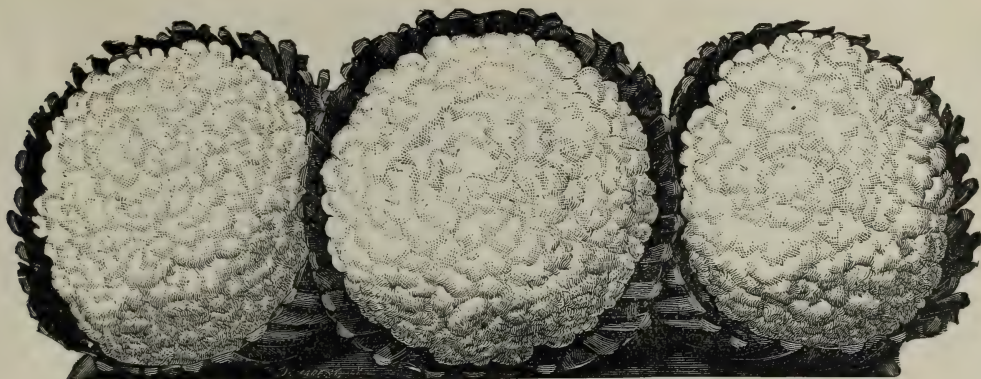
Red Dutch.—An old variety, used almost entirely for pickling. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 50c; lb, \$1.75.

Large Red Drumhead.—Larger than Red Dutch, and more profitable. Heads round, very reliable for heading. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 50c; lb, \$1.75.

Cabbage—Savoy.

Early Paris Savoy.—Early Savoy cabbage, making a solid head of delicious flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 50c; lb, \$1.75.

Large Drumhead Savoy.—A very reliable kind for heading; sweet and tender; much esteemed for family use, an excellent sort for market gardeners. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 50c; lb, \$1.75.



Cauliflower Early Snowball.—Danish Grown Seed.

CAULIFLOWER.**Chou-Fleur—Coliflor—Blumenkohl.**

Culture.—The same as for cabbage, except that extra manure and plenty of water will pay upon cauliflower. If the soil be dry, water frequently, and if the plants could have a heavy mulch of hay or straw, it would keep the soil moist, and the plants would not suffer from a drouth. The early kind should be strong enough to plant out not later than the middle of April; the late kinds may be planted out same time as cabbage. One ounce produces 1,500 good plants.

Extra Early Snowball.—"Danish Grown." The best known variety for this locality. Of very compact growth. Under favorable circumstances nearly every plant will make a fine solid head of good size and dazzling whiteness, fine texture and delicate flavor. Our seed is from the originator in Denmark, and can be relied on for its genuineness. Pkt., 15c; oz., \$2.25; ¼ lb, \$8.00.

Extra Early Dwarf Erfurt.—"Extra Selected." The choicest strain of the popular Erfurt type, and is remarkable for its reliability in heading. Pkt., 15c; oz., \$2.25; ¼ lb, \$8.00.

Autumn Giant—Veitch's.—A large late cauliflower, with compact white heads; these large, late sorts are not nearly as reliable as the snowball or Erfurt types, but are worthy of trial. Pkt., 5c; oz., 60c; ¼ lb, \$1.75.

Early Paris.—An excellent French variety. Its extreme earliness must make it a favorite both for the trucker, or private gardener. Large heads, white, compact and solid, with short stalk. Pkt., 5c; ¼ oz., 25c; oz., 80c; ¼ lb, \$2.25.

CARROTS.**Carotte—Zanahoria—Möhren.**

The carrot, like other root crops, delights in a sandy loam, deeply tilled. For good crops, sow in spring, as soon as the ground is in good working order; for late crops they may be sown any time until the middle of June. Sow in rows, about fifteen inches apart, thinning out to three inches between the plants. 1 oz. to 100 feet of drill; 3 to 4 lbs to an acre.

Early French Forcing.—The earliest variety in cultivation; used mostly by market gardeners for forcing. Is small and of excellent quality. Pkt., 5c; oz., 10c; ¼ lb, 25c; lb, 80c.

**Long Red Without Core.**

Nantes Half-Long Scarlet Stump-Rooted.—An exceedingly popular early market variety, and growing in favor; of medium size, flesh bright scarlet, brittle and of fine flavor. Pkt., 5c; oz., 10c; ¼ lb, 25c; lb, 80c.

Early Half-Long Scarlet Carentan.—An early variety without core. It is an excellent sort for forcing, and is used as an early kind for planting in open ground. Pkt., 5c; oz., 10c; ¼ lb, 25c; lb, 75c.

Ox-Heart, or Guerande.—This carrot is longer and much thicker than the Early Scarlet Horn; fine-grained and of deep orange color; destined to become the leading carrot; very productive. Pkt., 5c; oz., 10c; ¼ lb, 25c; lb, 80c.

Early Scarlet Horn.—This is a very early variety. It is shorter than most of the other sorts, and the tap root terminates abruptly, giving it a blunt appearance. Color, deep orange, fine-grained and agreeably flavored. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 75c.

Chantenay.—Tops medium size; necks small; roots tapering slightly, but uniformly; stump-rooted and smooth; color deep orange red; flesh very crisp and tender; is a medium early sort, a heavy cropper and is undoubtedly one of the best for both the market and private gardener. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 80c.

Long Red.—(Without Core)—A new variety, very smooth, of beautiful form, a bright red color. Much used as a table variety, coming in after the Early Horn. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Danvers.—Medium length, rich dark orange in color, very smooth and handsome, and easily dug. It yields an immense bulk, with smallest length of root. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 75c.

Long Orange.—Roots long, smooth, and deep orange color. Equally adapted for garden or farm culture. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 70c.

White Belgian.—Grows one-third out of the ground. It is much used for stock, and will grow to a large size on light, rich soil, very easily gathered. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 50c.

Yellow Belgian.—When young the roots are mild, delicious and of good flavor; when full grown, valuable for stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 50c.



Golden Self Blanching.

CELERY.

Celeri—Apio—Sellerie.

Plant seed in hot-bed. Transplant four inches apart when three inches high, in rich soil finely pulverized; water and protect until well rooted, then transplant into rows five or six feet apart, either on surface or in well-manured trenches a foot in depth, half filled with well-rotted manure. Set the plants from eight to twelve inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the tops of the center

shoots. One ounce will produce 3,500 good plants.

Golden Self-Blanching Celery.—Vilmorin stock. This variety is considered unequaled as an early sort. It is as self-blanching as any variety. There is a great deal of spurious stock sold, but when the seed is true and pure, the result can not fail to give satisfaction. We sell nothing but originators' stock. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.25.

White Plume.—This sort is too widely known to require an extended description. Its self-blanching quality renders it one of the most valuable sorts. It is unsurpassed for fall and early winter use, and is the earliest celery known. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Giant Pascal.—The well-known and popular variety for winter use, Vilmorin strains only offered. The stalks are very large, thick, solid, crisp and of a rich, nutty flavor, free from any trace of bitterness; it blanches very easily and quickly and retains its freshness a long time after being marketed. The heart is golden yellow, very attractive. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

Half Dwarf, White.—When blanched it is of a yellowish-white; is entirely solid, possessing the nutty flavor peculiar to the dwarf kinds, while it has much more vigor of growth. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.40.

Rose-Ribbed Self-Blanching.—This fine celery has given the greatest satisfaction where tried. Very solid, large and early, while the flavor is far superior to any white celery yet introduced. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 70c; lb., \$2.50.

Boston Market.—Short, compact and solid, very popular. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.40.

Golden Heart.—The most popular variety of all, and the leading sort for home and market use. One of the best keepers. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.40.

Celery for flavoring, 25c per lb.



Celeri—Apple-Shaped.

CELERIAC.

A variety of celery having turnip-shaped roots, which may be cooked and sliced and used with vinegar, making a most excellent salad. It is more hardy and may be treated in the same manner as celery.

Apple-Shaped.—A great improvement over the old variety, having small foliage, large tubers, almost round in shape and smooth. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 40c; lb, \$1.50.

Large Smooth Paris.—The root is very large and smooth and preferable to the common Celeriac. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 40c; lb, \$1.50.

CHERVIL.

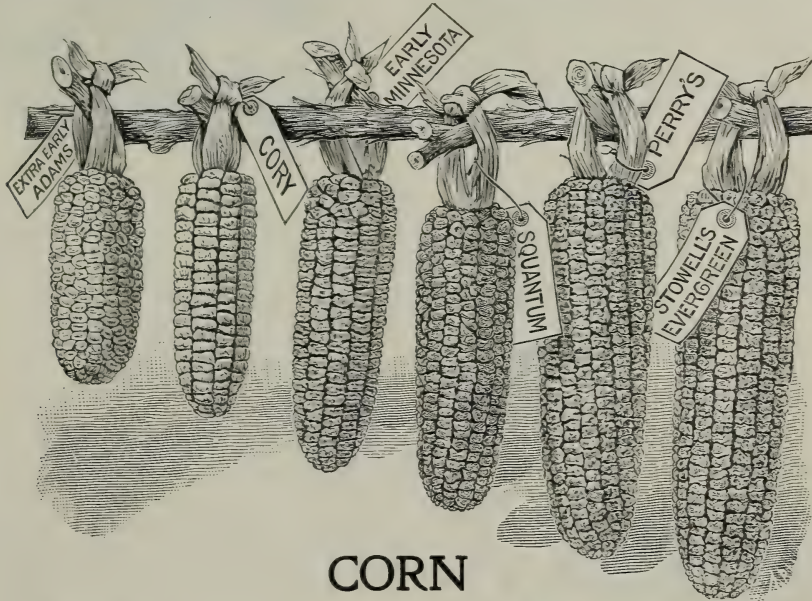
Curled Double.—An aromatic, sweet herb. The young leaves are used in soups and salads. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c.

CHICORY.

Pursue the same manner of cultivation as for carrots. If to be used as a salad, blanch the leaves by covering so as to exclude the light. If raised for its roots, dig at about the same time as carrots, wash the roots and then slice them, either way, and dry thoroughly by artificial heat.

Large Rooted.—(For Coffee).—Used as substitute for Coffee. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c.

Common "Barbe de Capucin."—Used for salads. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c.



CORN

Mais—Maiz Para el uso de la Mesa—Welch Korn fur Tischgebrauch.
(Add 8c per lb for postage.)

All varieties of sweet corn may be either sown in rows, four and a half feet apart, and the seeds planted about eight inches in the row, or planted in hills at a distance of three or four feet each way, according to the variety grown or the richness of the soil in which it is planted. One pound to 100 hills. Ten pounds to an acre.

Adams' Extra Early.—The earliest white corn; ready for table sixty days after germination. Height of stock, three feet; not a sugar corn. Pkt., 5c; lb, 15c; 2 lbs, 25c.

Corn.—Lee's Premier Tom Thumb.—Since introducing this variety, we are more than pleased with the popularity which it has gained among our market gardeners and trucksters. They have found it to be earlier than any other variety ever grown. Per lb, 15c.

First of All.—An extra early sort of good quality, pink grains and cob. Pkt., 5c; lb, 15c; 2 lbs, 25c.

Cory, White Cob.—It is one of the earliest corns known. The ear is as large as Red Cory, or larger, and this with the few days gained in maturing, may give the market gardener double the price of that coming a little later. Pkt., 5c; lb, 15c; 2 lbs, 25c.

Mammoth White Cory.—The largest and best extra early sweet corn, two or more large ears to the stalk. Pkt., 5c; lb, 15c; 2 lbs, 25c.

Egyptian.—One of merit, large and sweet in ear. Vigorous in stock, habit late. Very highly prized by canners and market gardeners. Pkt., 5c; lb, 15c; 2 lbs, 25c.

Extra Early Minnesota.—Very early; a decidedly excellent variety; ears fair sized and uniform; plant rather dwarf. Pkt., 5c, lb, 15c; 2 lbs, 25c.

Moore's Early Concord.—Ears large and well filled; early and unsurpassed for richness and delicacy of flavor. Pkt., 5c; lb, 15c; 2 lbs, 25c.

Perry's Hybrid.—This valuable early twelve-rowed sugar corn has made a reputation for itself. This corn is desirable for market gardeners, because it is as early as Minnesota, and being twelve-rowed, will sell for much more. Pkt., 5c; lb, 15c; 2 lbs, 25c.

Shaker's Early.—A splendid market sort, ready soon after Early Minnesota, but the ears are much larger. The stalks in good soil, attain a height of six feet, bearing usually two large ears of delicious flavor. Pkt., 5c; lb, 20c, 2 lbs, 35c.

Stowell's Evergreen.—A large variety of excellent quality, remaining longer in the green state than any other kind. Pkt., 5c; lb, 20c; 2 lbs, 35c.

Black Mexican.—A black-grained variety; one of the sweetest of all kinds. Pkt., 5c; lb, 15c; 2 lbs, 25c.

Squantum Sugar.—It is almost as early as the Moore's Concord, the ears being the same size. Its quality is of the best. Very sweet and wonderfully productive, producing four or five ears on a stalk. Pkt., 5c; lb, 15c; 2 lbs, 25c.

Country Gentleman.—The ears are produced in great abundance. The cob is very small, giving great depth to the kernels, which are pure white. The great merit of the Country Gentleman is its delicious quality. Pkt., 5c; lb, 20c; 2 lbs, 35c.

FIELD CORN.

White Australian Flint.....
Minnesota King, Yellow Dent.....
King of the Earliest, Yellow Dent.....
Pride of the North, Yellow Dent.....
Early, Yellow Dent.....
Swadley, Yellow Dent.....
Leaming, Yellow Dent.....
White Dent.....
Single
Pounds
5c each.

Send for sample and prices in quantities.

CORN SALAD.

Mache—Rabinschen Feldsalat.

Large Leaved.—This vegetable is used as salad; if wanted to come in early spring, it is sown in September, covered up with straw or hay as soon as cold weather sets in, and is wintered over exactly as spinach. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 60c.

CRESS.

Cresson Alenois—Mastuerzo—Garten—Kresse.

Plant on rich soil, finely pulverized, in drills six or eight inches apart. To be used as salad before the flowers appear.

Garden Cress, Curled.—Pkt., 5c; oz., 10c; ¼ lb, 15c; lb, 50c.

Water Cress.—Pkt., 5c; oz., 30c; ¼ lb, \$1.00.

CUCUMBER.

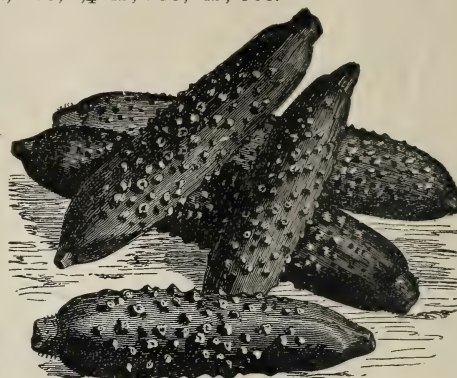
Concombre—Cohombro—Gurke.

Drop in hills four to six feet apart, as soon as the weather becomes settled and warm. Scatter eight or ten seeds to a hill and cover half an inch deep, and pat it down with a hoe. Hoe often, and when out of danger of insects, thin to four plants to a hill. June to July is the time to sow for pickling. One ounce to 50 hills; 2 to 3 pounds to an acre.

Davis' Perfect.—Introduced last year. Has proven every thing said of it by Mr. Davis. Those of our customers who purchased it, are more than pleased with its splendid fruit, its rugged growth, and above all its great productiveness. Pkt., 10c; oz., 20c; ¼ lb, 70c; lb, \$2.50.

Early Russian.—The earliest in cultivation; resembles the Early Cluster, but is smaller and

shorter, being only four inches long. Pkt., 5c; oz., 10c; ¼ lb, 25c; lb, 90c.



Chicago Pickling.

Fordhook Famous Cucumber.—This new extra long White Spine cucumber produces perfectly smooth, very dark green, handsome straight fruit, measuring 12 to 17 inches long. They are always solid, flesh being a greenish white, firm, crisp and of most delicious flavor. Pkt., 5c; oz., 15c; ¼ lb, 40c; lb, \$1.40.

Early Cluster.—Early, short and prickly, bears mostly in clusters. Pkt., 5c; oz., 10c; ¼ lb, 25c; lb, 90c.

Early Frame or Short Green.—Early sort for table and pickling; of medium size, straight and handsome. Pkt., 5c; oz., 10c; ¼ lb, 25c; lb, 90c.

Improved White Spine.—A longer variety than the ordinary White Spine, and dark green in color; used largely for forcing by market gardeners. Pkt., 5c; oz., 10c; ¼ lb, 30c; lb, 95c.

Early Boston Pickling.—This is one of the most popular varieties. It is early, of good form, and very productive. Pkt., 5c; oz., 10c; ¼ lb, 25c; lb, 90c.

Green Prolific.—One of the best pickling sorts. Its characteristics are its uniform growth, seldom yielding cucumbers too large for pickling, and its immense productiveness. Pkt., 5c; oz., 10c; ¼ lb, 25c; lb, 90c.

Improved Long Green.—The old standard sort; flesh greenish white, firm, crisp, fine for table, and makes hard, brittle pickles, and very productive. Pkt., 5c; oz., 10c; ¼ lb, 25c; lb, 90c.

Everbearing.—Begins to bear very early, and continues till killed by frost; good for pickles or slicing. Pkt., 5c; oz., 10c; ¼ lb, 30c; lb, \$1.00.

Rollisson's Telegraph.—For forcing in green-houses, and can be grown in hot-beds where the temperature does not fall below 65 degrees at night, and will attain a length of twenty to thirty inches. Pkt., 25c.

White Wonder.—The cucumbers are thickly set throughout the length of the vine, uniform in color, shape and size. The pearly white flesh is exquisitely fine in quality, quite brittle, remains solid for a long time; ivory white. Pkt., 5c; oz., 10c; ¼ lb, 25c; lb, 75c.

West India Gherkin.—Oval shaped, prickly; for pickling only. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 50c.

Paris Pickling.—The young cucumbers, when of the proper age for pickling, are slim and slender, from three to five inches in length. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 35c.

DANDELION.

Pissenlit—Lowenzahn.

Cultivated for greens and used as spinach or salad. One ounce to 250 feet of drill.

Common.—Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 50c.

ENDIVE.

Chicoree — Endive — Escarola o Endivia — Endivien-Salat.

For early use sow as soon as the ground can be worked in the spring, in drills fifteen inches apart, and thin plants to six or eight inches in the row. To blanch the leaves, gather them carefully together when perfectly dry and tie with matting or any soft, fibrous material. The leaves are very highly esteemed for use as salad. One ounce to 75 feet of drill.

Broad-Leaved Batavian, Winter.—Used chiefly in the fall. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 35c; lb, \$1.25.

Green Curled, Winter.—A very popular winter variety; requires to be tied up for blanching. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 35c; lb, \$1.25.

White Curled, Summer.—Self-blanching; very fine flavored and tender. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 35c; lb, \$1.30.

Green Curled, Summer.—Leaves curled, dark green, crisp and tender. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 35c; lb, \$1.30.

EGG PLANT.

Egg Plant—New York Improved. Aubergine—Berengena—Eierpflanze.

Sow in hot-beds very early in the spring, and transplant to two or three feet apart in very rich, warm ground. Hoe often and hill up gradually till they blossom. One ounce to 1,500 plants.

New York Improved.—Spineless.—The leading market variety, excellent and productive. Pkt., 5c; $\frac{1}{4}$ oz., 15c; oz., 40c; $\frac{1}{4}$ lb, \$1.15.

Black Pekin.—The fruit of this handsome variety is jet black, round in form and very solid; it is quite early and a very superior variety. Pkt., 5c; oz., 40c.

KOHL-RABI.

Chou-rave—Col rabano—Kohl-Rabi.

Prepare ground as for cabbage, then plant about the 1st of June in rows two feet apart, thinning plants to 12 inches in the row. The flesh is tender and resembles a fine rutabaga, with less of a turnip flavor. One ounce to 2,000 plants.

Very Early White Vienna.—The earliest and best for forcing; very tender; excellent for table use. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 75c.

KALE OR BORECOLE.

Chou-vert—Blatter Kohl.

Kale may be grown in almost any soil, but the richer it is the more abundant the product. Sow from the middle of April to the beginning of May in prepared beds, transplant in June, and treat in the same manner as for cabbage. 1 oz. to 2,000 plants.

Green-Curled Dwarf.—This is a very hardy and low-growing variety. The leaves are finely curled, a fine variety for winter and spring use. Pkt., 5c., oz., 10c; $\frac{1}{4}$ lb, 30c.

Tall Scotch.—Leaves bright green and beautifully curled. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c.

LEEK.

Poireau—Puerro—Lauch oder Porree.

A hardy species of onions, sown in drills or broadcast. When six inches high transplant into rows a foot apart, setting the plants four or five inches deep, and about six inches apart in the row. Used mostly in soups and stews. One ounce to 1,000 plants.

Large Rouen.—A new French variety of large size, the best of all. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c; lb, \$1.00.

London Flag.—Broad leaves growing on two sides. A favorite variety with the market gardeners. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c; lb, \$1.00.



"Let-us."

LETTUCE.

Laitue—Lechuga—Salat.

The early sowing may be made under glass in February and March, keeping the plants thin and admitting plenty of air every fine day. For main early crop, seed may be sown in the open ground, middle of September, and transplanted to cold frames as soon as large enough to handle, being wintered over in the same manner as early cabbage. One ounce to 4,000 plants.

Forcing Sorts.

Early Ohio—Cincinnati Curled.—"Private Stock." This splendid lettuce was introduced by us twenty-three years ago. We have the stock grown by one of the first growers in the world. It is equally good for outdoor growth



Lettuce—Early Ohio.

as for forcing, slow to run to seed. Forms fine heads of good color, tender, of buttery flavor, and in every respect a market gardener's lettuce. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c; lb, \$1.00.

Grand Rapids (Seed Black).—As a lettuce for greenhouse forcing this variety undoubtedly stands at the head of the list. Owing to its upright habit it may be planted closely. It is of extremely rapid growth. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 80c.

Denver Market.—similar in growth to our Early Ohio, very popular with gardeners. Grows large heads, is tender and sweet, but somewhat coarser than Early Ohio. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c; lb, 90c.

Early Tennis Ball (Black Seeded).—A most popular sort for forcing. Equally good for outdoor purposes. Forms a handsome head, and is very crisp and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 80c.

Lee's Market Forcing.—The perfection of forcing lettuces. Having had it tested by the Department of Agriculture, we give their description: "A decidedly butter variety, strictly cabbage heading, early. Plant compact, forming a globular, well defined, firm, well-blanching head, with leaves closely overlapping one another. Color medium green, never spotted, nor brownish in any part. Quality good, sweet, buttery in flavor, soft in texture. Highly recommended for market gardeners." Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c; lb, \$1.00.

Early Curled Simpson.—One of the best curly sorts for market or family use. Heads large, loose; leaves beautifully crimped, dark green, tender and crisp. Recommended for general cultivation. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 80c.

Black-Seeded Simpson.—The leaves of this variety are very large, and form a compact mass rather than a distinct head. They do not wilt quickly, and being of a light green color, the variety is much liked by market gardeners for forcing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 80c.

Early Curled Silesia.—Very curly and tender, and highly esteemed for salad. A popular variety for hot-beds and early out-door culture. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 80c.

Perpignan, or Defiance Summer.—Unequaled for long standing. One of the finest varieties of head lettuce, stands the summer heat better than any other sort. It forms very large, solid heads, so firm that they have to be cut open to allow the flower shoots to come through. The leaves are light green. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c; lb, \$1.00.

White Chavigne (Seed White).—Forms a very full head made up of large, well rounded, rather dark green leaves, which are coarsely savoyed, the inner ones much lighter colored and formed into a compact, solid head. An excellent sort, quick in forming a head and slow to run to seed. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 40c; lb, \$1.50.

Hanson.—A fine heading variety of the largest size, and standing the sun as well or better than any other sort. The heads frequently weigh two or three pounds, are sweet, tender and crisp throughout. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 80c.

Prize-Head.—Forms a mammoth head, and remains tender and crisp throughout the season; is prompt to head and slow to run to seed; of delicious flavor and very hardy; one of the best in cultivation for home use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 80c.

California Cream Butter.—Heads large, round and of a beautiful appearance. The outer leaves are medium green, marked with small brown spots; inner leaves of a rich cream color. Medium early and makes a good sort for summer use. Quality very good, rich buttery flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 80c.



Lettuce—Big Boston (Unrivalled).

Big Boston.—Is sure to be wanted by market gardeners, because it always produces large, solid, saleable heads. On account of its heading at all seasons of the year, it commends itself to all. Very crisp and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c; lb, \$1.00.

White Tennis Ball.—Forms a close, hard head, with few outer leaves, and an excellent sort for forcing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 80c.

Paris White Cos.—One of the best upright varieties, tender and crisp; should be tied up to insure blanching. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c; lb, \$1.00.



Musk Melon—Rocky Ford.

MELON—MUSK.**Melon—Cantaloupe—Melon—Melonen.**

Melons thrive best in a moderately enriched light soil; the hills should be six feet apart each way. Previous to planting, incorporate well with the soil in the hill a couple of shovelfuls thoroughly rotted manure; plant twelve or sixteen seeds in each hill early in May, and when well up thin out to three or four of the most promising. Pinch off the leading shoots as the growth becomes too luxuriant, and if the fruits set too numerously, thin out when young, which will increase the size of those remaining and cause them to ripen quicker. One ounce to sixty hills; two to three pounds to an acre.

Netted Gem.—The most popular and best green fleshed melon, sold by us for the past 25 years. The vines are of extremely strong growth, short, and branch freely, the fruit setting close to the hill, fruit even and regular in size and form nearly round or slightly oval. Finely netted, the skin is of a light golden hue when fully ripened; the flesh is light green, of a melting and luscious flavor; ripens close to the skin. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 95c.

Rocky Ford.—This melon is similar to the Oval Netted Gem, the strain here offered originated with the melon growers of Rocky Ford, and is true to name. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 95c.

Early Yellow Cantaloupe.—One of the earliest varieties; of good size, nearly round, slightly ribbed; flesh yellow. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c; lb, \$1.00.

Extra Early Citron.—Earlier than any other; large, showy and of good flavor. A variety which, for its early maturity, will be found profitable by all market gardeners. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c; lb, \$1.00.

Large Yellow Musk.—A very large variety, deeply ribbed and thickly netted; flesh salmon yellow, thick and sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c; lb, \$1.00.

Long Island Beauty.—A splendid new melon of the Hackensack variety, of very superior quality, densely netted. Among the earliest. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 40c; lb, \$1.50.

Emerald Gem.—Fruit small to medium sized, globular, or slightly flattened at the ends, only slightly netted and ribbed. Skin deep green while young. Flesh deep salmon yellow, thick, ripening close to the rind, and exceedingly high flavored. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 30c; lb, \$1.00.

Miller's Cream.—It is medium sized, oval, slightly ribbed, dark green in color, covered more or less with shallow netting. The flesh is deep salmon color and very thick, there being but a slight cavity in the center of even the largest fruit. A favorite variety for the market. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 90c.

Green Fleshed Osage.—It is superior to any other green fleshed melon now known. It partakes of the many characteristics of our special yellow-fleshed Osage, but is more netted, while its flesh is a beautiful peagreen and of most delicious quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 90c.

Jenny Lind.—A very small, early variety, flattened at the end, and of excellent flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 90c.

Skillman's Netted.—Form roundish oval, flesh deep green, sweet and richly perfumed; early and of delicious flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 90c.

Champion Market.—This new melon is almost a perfect globe in shape, and densely netted, one of the handsomest cantaloupes known. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 90c.

Hackensack.—The most popular variety of muskmelon grown for market by gardeners. It attains a large size, is round in shape, flattened at the ends, is of a most delicious flavor, and wonderfully productive. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c; lb, \$1.00.

Montreal Market.—The fruit is of the largest size, specimens often weighing twenty pounds and upwards; flesh very thick and of the finest flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 40c; lb, \$1.25.

Green Nutmeg.—Fruit nutmeg shape; skin deep green, finely netted, flesh greenish yellow, rich and sugary. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c; lb, \$1.00.

Chicago Market.—This we consider the best Nutmeg for earliness of maturity, large and uniform size, thickly netted skin, small seed cavity, deep green flesh, juicy, delicious flavor, and freedom from rot. A favorite with all who prefer a green-fleshed sort. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c; lb, \$1.00.

Banquet.—Medium sized, of perfectly round shape, densely netted over its entire surface. The flesh is dark, rich salmon color, and uniformly thick. It is unsurpassed in flavor, rivaling the Emerald Gem. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c; lb, \$1.00.

MELON—WATER.**Melon d'Eau—Zandia—Wassermelonen.**

Drop middle of spring, in hills six to eight feet apart, six to ten seeds, one inch deep, and thin to three best plants. Hoe often, and gradually hill up until the vines touch, and after the

fruit appears cut off the extreme ends of the most luxuriant shoots. One ounce to 50 hills; 2 to 3 pounds to an acre.

Mammoth Iron-Clad.—This melon grows uniformly and matures early, thus rendering it valuable for shipping, while its keeping qualities are unsurpassed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 65c.

Phinney's Early.—Flesh deep red, of very superior quality; early and productive; a valuable market variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 65c.

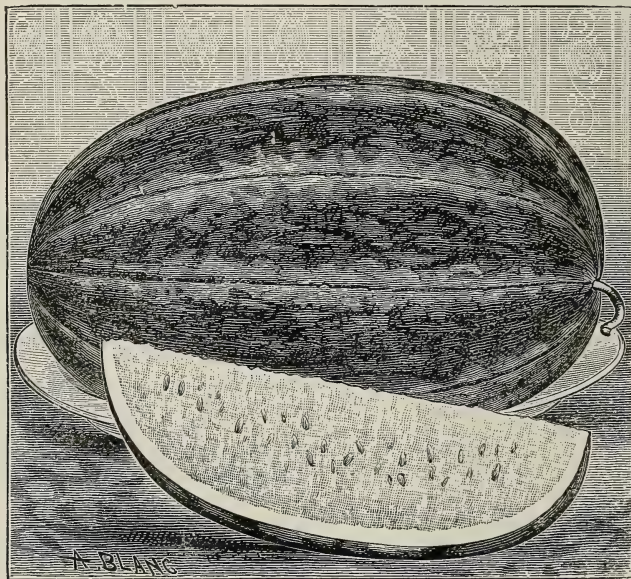
Cuban Queen.—One of the largest melons. Specimens having been grown that weighed eighty pounds. Flesh bright red, solid, crisp and sugary. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 65c.

Dark Icing.—Same shape and good qualities as the Light Icing, except in the color of the rind, which is very dark. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 65c.

Mountain Sprout.—Fruit of large size, long, oval-shaped; flesh red, of excellent quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 65c.

Mountain Sweet.—A large, oval variety; flesh scarlet and quite solid, very sweet and delicious, best for general use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 65c.

Boss.—One of the best of all melons; in shape it is oblong and nearly the same diameter throughout its length. The flesh is of a deeper scarlet and richer in appearance than that of any other sort; has black seed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 65c.



Water Melon—Rocky Ford.

Black Spanish.—Very early, round, skin dark green, flesh red, rind very thin; rich, sugary flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 65c.

Kleckley's Sweet.—Large oblong, skin dark green, flesh bright scarlet, ripening close to the skin, the rind being only about one-half inch in thickness. Sweet and sugary and is of such texture that it leaves no strings of pulp whatever in eating. We believe it is the best table melon to-day. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 75c.

Sweet-Heart.—A new melon of excellent quality. Rind thin, but firm. Flesh bright red, firm, solid, very tender, melting and sweet. Fruit remains in condition for use longer than any other sort. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 65c.

Gray Monarch.—The skin is a mottled gray color, shape long, flesh bright crimson, and of sweet delicious flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 65c.

Citron, Preserving.—Employed in making preserves; grows uniformly round and smooth, striped and marbled with light green. Flesh white and solid. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 70c.

Kolb's Gem.—Vines of medium size, but remarkably vigorous and healthy. Flesh bright red, solid, sweet and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 65c.

Seminole.—In shape, this is oblong, slightly tapering at the ends. It is solid, ripening clear up to the rind. The flavor is excellent; it is one of the best. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 65c.

Gypsy, or Georgia Rattlesnake.—A large, oblong melon. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 65c.

Kentucky Wonder.—Oblong in shape, skin dark green, flesh a beautiful scarlet color, crisp and not tough, rich and sugary flavor; always firm, very solid, and never mealy. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 65c.

Rocky Ford.—This melon, as indicated by its name, was originated at Rocky Ford, Colo. It is well known to be the best shipping melon grown, while its flavor is far superior to any other. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 70c.

Ice Cream.—Form oblong, seeds white, flesh solid and of fine color, crisp and delicious; very popular. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

Light Icing, or Ice Rind.—One of the best of all melons, solid, always of good flavor, rind very thin, fruit of medium size, nearly round. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

Cole's Early.—Is very early and will mature in every state. Melons are of medium size, nearly round in shape, rind green, striped with light. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

MUSHROOM SPAWN.

Champignon—Schwanum.

Mushroom Culture.—In preparing a bed, procure fresh horse manure, leaving no litter or straws in it over nine inches in length. Mix thoroughly in proportion of three parts horse manure to one of loam, leaving it remain a week to ferment and turn about four times at two-day intervals, mix about one-sixth soil. Then in some sheltered place, if possible, make out of this compost a bed four feet wide, eight inches deep and as long as desired, pressed solidly. Leave this until the heat subsides below 80 degrees and as low as 65 would be better for a heavy crop, then plant pieces of spawn two inches square in holes two or three inches deep, nine inches apart each way; cover with the compost, and in the course of a week or ten days the spawn will be diffused through the whole bed. Cover with two inches of fresh soil and over this spread three or four inches of hay, straw or litter. If the surface becomes dry, wet with lukewarm water. Keep an even temperature of from 50 to 60 degrees. One brick will sow two feet by six.

English Spawn.—One pound, 20c. Postage 8c per lb extra.

MUSTARD.

Moutarde—Mostaza—Senf.

Mustard is not only used as a condiment, but the green leaves are used as a salad, or cut and boiled like spinach. Sow thickly in rows and cut when about two inches high. One ounce to forty feet of drill.

White English.—Best for salads or medicinal purposes. Oz., 5c; lb., 30c.

Cut Here.....

ONIONS.

Ognon—Cebolla—Zwiebel.

The onion thrives best in a rather deep, rich, loamy soil, and, unlike most vegetables, succeeds well when cultivated on the same ground for successive years. The ground should be deeply trenched and manured the previous autumn, and laid up in ridges during the winter to soften. As early in the spring as the ground is in working order, commence operations by leveling the ground with a rake, and tread it firmly; sow thinly in rows, four pounds to the acre, a quarter of an inch deep and one foot



apart; cover with fine soil and press down with the back of a spade or light roller. When the young plants are strong enough, thin gradually, so that they stand three or four inches apart. Keep the surface of the ground open and free from weeds by frequent hoeing, taking care not to stir the soil too deeply or collect it about the growing bulb. When ripe, pull and dry thoroughly before storing. One ounce to 100 feet of drill; four to five pounds to an acre.

Australian Brown Onion.—Is of medium size, wonderfully hard and solid, and most attractive for market, both as to form and appearance. It will keep in good condition longer than any other known. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

White Portugal or Silverskin.—Extra selected. A large flat onion, skin loose, of a mild flavor, fine for early winter use, and much esteemed for pickling when small. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Yellow Danvers Flat.—Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Oregon Yellow Danvers Onion, or "Oregon Long Keeper."—This is without doubt the best keeping onion grown. The onion is neither a flat nor a globe, but a distinct type between the two. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 70c; lb., \$2.25.

Yellow Globe Danvers.—Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

Extra Early Flat Red.—A variety of unusually early maturity; medium size, deep red in color, and an excellent keeper. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

Large Red Wethersfield.—An old, standard sort of pleasant flavor; grows very large, keeps well; hardy. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

White Queen.—An excellent variety, with white skin and of a fine flavor, as remarkable for its keeping qualities as for the rapidity of

its growth, and is without doubt the earliest onion known. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 60c; lb, \$1.75.

Southport Red Globe.—Early, prolific, mild in flavor. Excellent for bunch onions in the spring. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 60c; lb, \$2.00.

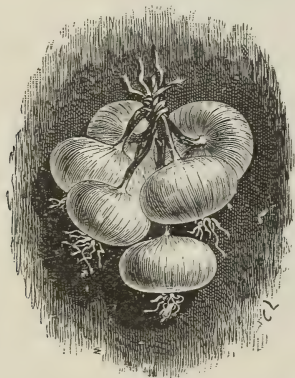
Southport Yellow Globe.—A large handsome globe shaped yellow variety, very productive, of mild flavor. The outer skin is of a pale yellow; the bulbs are of a beautiful globe shape and good keepers, this onion is worthy of a trial by market gardeners. It is a favorite with Eastern onion growers. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 60c; lb, \$2.00.

Extra Early Paris.—(For pickling.)—A handsome small onion of mild flavor, extensively grown for pickling. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 60c; lb, \$2.00.

Large White Tripoli.—A new and excellent variety, of quick growth and mild flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 40c; lb, \$1.50.

Giant Rocca.—A splendid large variety from Naples, globular shape and bright brown skin and delicate flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 40c; lb, \$1.25.

Mammoth Silver King.—This onion grows to a remarkable size. The skin is a beautiful silvery white, the flesh is snowy white, and of a particularly mild and pleasant flavor. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 60c; lb, \$2.00.



White Barletta Pickling Onion.—This is an ideal pickling onion, small, round, hard and white, surpassing every other variety for this purpose. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 60c; lb, \$1.75.

Mammoth Pompeii.—The skin is very thin and delicate in appearance, of a beautiful reddish-brown color, flesh pure white, fine grained, and remarkably mild and pleasant. Pkt., 5c; oz., 20c $\frac{1}{4}$ lb, 60c; lb, \$2.00.

Prizetaker.—Is the large, beautiful onion that is seen every fall on sale at the fruit stores and stands in the large cities. The outside skin is a rich yellow straw color, while the flesh is white, sweet, mild and tender. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 70c; lb, \$2.25.

Southport White Globe.—Yields abundantly, producing handsome and uniform globe-shaped bulbs. The flesh is firm, fine-grained and of fine flavor. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 80c; lb, \$2.00.

Bunching Onion.—White.—Sow the seed in

latter part of spring, keep cultivated during summer, in fall cover with litter. When snow is off the ground rake off the litter, and dead tops, scratch the ground gently, and the onions will soon begin to show themselves. Will be ready for pulling when the ordinary onion sets are being planted. They do not make much bottom, as they are distinctly a bunch onion, very mild and delicate flavored. Oz., 20c; $\frac{1}{4}$ lb, 60c; lb, \$2.00.

White Lisbon.—A variety largely used for bunch onions. Very mild flavored. Oz., 20c; $\frac{1}{4}$ lb, 60c; lb, \$1.50.

ONION SETS.

Add 10c per quart for mailing.

Special Price on Bushel or Barrel Lots.

Top or Button.....	per quart 20c
Red Bottom	per quart 20c
Yellow Bottom	per quart 20c
White Bottom	per quart 25c
Shallots	per quart 20c
White Multipliers	per quart 30c

OKRA OR GUMBO.

Gombaud—Gombo—Ocker oder Gumbo.

This vegetable is extensively grown in the Southern States. The long pods, when young are used in soups, stews, etc. It is of the easiest culture and grows freely, bearing abundantly in any garden. One ounce to forty feet of drill.

Dwarf Green.—Early and productive. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 50c.

Long Green.—Large green pods. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 50c.

White Velvet.—This distinct and beautiful new okra was originated in Georgia. The pods are large, perfectly smooth, never prickly, round, not ridged or square, as in other okras. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 60c.



Parsley—Fine Moss Curled.

PARSLEY.

Persil—Perejil—Petersilie.

Parsley succeeds best in a rich, mellow soil. As the seeds germinate very slowly, three or four weeks elapse sometimes before it makes its appearance. It should be sown early in the

spring. Sow thickly in rows a foot apart and half an inch deep. One ounce to 150 feet of drill.

Moss Curled or Double Curled.—A fine dwarf variety, beautifully curled, excellent for garnishing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 80c.
Carter's Fern-Leaved.—A beautiful variety, being more like a crested fern or moss than parsley, very valuable for table decorations. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 80c.

PARSNIPS.

Panais—Chirivira—Pastinake.

Sow as early in the spring as the weather will permit, in drills fifteen inches apart, covering half an inch deep. When well up, thin to five or six inches apart in the rows. Unlike carrots, they are improved by frost, and it is usual to take up in the fall a certain quantity for winter use, leaving the rest in the ground until spring, to be dug up as required. One ounce to 120 feet of drill, five pounds to an acre.

Long, or Hollow Crown Sugar.—Roots very long, white, smooth, tender, sugary and most excellently flavored. Very hardy. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 50c.

Guernsey.—Fine flavor, half oblong variety, very tender and sugary. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 50c.

Short, or Round Early.—An early variety of small size, turnip shaped. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 15c; lb, 50c.



Pepper Mountain Sweet.

PEPPER.

Piment—Pimiento—Pfeffer.

Pepper should be started in hot-beds and transplanted to the open ground when the weather is favorable. They should be planted in warm, mellow soil, in rows eighteen inches apart. One ounce produces about 1,500 plants.

New Chinese Giant.—This is the largest and finest Red Pepper. Of stocky growth, very vigorous, well branched, and thickly set with enormous fruit, much larger than the well-known

Large Bell, or Bull-Nose.—An early variety, Ruby King. The flesh is extremely mild, and very thick. For salads it is unsurpassed, sliced of mild flavor, rind thick and fleshy. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb, 75c.

Sweet Mountain.—Similar to the Bull-Nose in shape and color, but larger and milder. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb, 75c.

Spanish Monstrous, or Sweet Spanish.—Very large, single peppers often growing six to eight inches long, and two to three inches thick. Early, most productive, flesh very sweet and mild. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb, 75c.

Long Red Cayenne.—Small, long and tapering, very hot, best for seasoning pickles. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb, 75c.

Ruby King.—Larger size than the Spanish Monstrous, and of different shape. They are remarkably mild and pleasant in flavor. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb, 75c.

Cherry Red.—An exceedingly ornamental variety, fruit round, of a rich, glossy scarlet color. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb, 75c.

Chili.—Pods sharply conical, nearly two inches in length and half an inch in diameter, brilliant scarlet when ripe, and exceedingly piquant. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb, 75c.



PEAS.

Pois—Chicaros o Guisantes—Erbsen.

Add 8c per pound for postage.

For early peas the soil should be light, warm and sheltered; but for general crop a moderately heavy soil is better. Sow as early as possible a few of the earliest varieties on warm soil, prepared the fall before, and for the dwarf-growing kinds, the soil can hardly be too rich. One pound to 50 feet of drill. Ninety pounds to an acre.

Extra Early Sorts.

Lee's Earliest.—One of the earliest peas known, very desirable for market gardeners.

It matures for table forty-five days from germination. Pkt., 5c; lb, 15c; 2 lbs, 25c; 10 lbs, \$1.20.

Daniel O'Rourke.—A favorite extra early variety and very productive. Pkt., 5c; lb, 15c; 2 lbs, 25c; 10 lbs, \$1.20.

Alaska.—Earliest blue variety. Pkt., 5c; lb, 15c; 2 lbs, 25c; 10 lbs, \$1.20.

Tom Thumb.—Remarkably dwarf and early, of excellent quality and yields abundantly. Pkt., 5c; lb, 15c; 2 lbs, 25c; 10 lbs, \$1.20.

Premium Gem.—A new and valuable variety, among the earliest green wrinkled sorts of the Little Gem type; very prolific and of excellent flavor. Pkt., 5c; lb, 15c; 2 lbs, 25c; 10 lbs, \$1.20.

Little Gem.—A very desirable early dwarf, green wrinkled variety, very popular with our Colorado market gardeners. Pkt., 5c; lb, 15c; 2 lbs, 25c; 10 lbs, \$1.20.

American Wonder.—One of the earliest wrinkled peas in cultivation, of the finest quality and flavor, and wonderfully productive. Pkt., 5c; lb, 20c; 2 lbs, 35c; 10 lbs, \$1.50.

Nott's Excelsior.—Very early; pods always well filled with peas of the finest quality. Will take place of American Wonder. Pkt., 5c; lb, 20c; 2 lbs, 35c; 10 lbs, \$1.50.



Gradus or Prosperity.

Extra Early Gradus or "Prosperity" Pea.—This popular, large-podded, wrinkled pea is of finest quality, maturing its pods only two or three days later than the Round Seeded Extra Earlies. The vine grows three feet high, on heavy stems, with large pods, about four inches long, filled with large handsome peas of fine flavor. A profitable variety for market gardeners. Pkt., 5c; lb, 25c; 2 lbs, 40c; 10 lbs, \$1.75.

Second Early Sorts.

Abundance.—This is claimed to be the most prolific variety known. Plants half dwarf, fifteen to eighteen inches high; foliage large, thick, full and dark green. Pkt., 5c; lb, 15c; 2 lbs, 25c; 10 lbs, \$1.20.

Telephone.—Seeds green, wrinkled; bearing

in great abundance, large, handsome pods from five to seven inches in length, and containing from eight to twelve peas of unequalled flavor; height, three feet. Pkt., 5c; lb, 15c; 2 lbs, 25c; 10 lbs, \$1.20.

Everbearing.—Height of vine, eighteen inches to two feet; unsurpassed in sweetness and flavor. Pkt., 5c; lb, 15c; 2 lbs, 25c; 10 lbs, \$1.20.

Heroine.—A grand pea, second early, green, wrinkled variety, large pods; containing eight to nine large peas of finest quality. Pkt., 5c; lb, 15c; 2 lbs, 25c; 10 lbs, \$1.20.

Carter's "Daisy," or Dwarf Telephone.—A new second early dwarf pea with immense pods and peas. The self-supporting, stout plants are fairly loaded with large, bright green pods, which are always well filled. Each pod contains 7 to 9 large peas, of a bright green color, tender and well flavored. The even growth and handsome appearance of the "Daisy" excites the admiration of all. Pkt., 5c; lb, 20c; 2 lbs, 35c; 10 lbs, \$1.50.

Dwarf Gray Sugar.—Edible pod or sugar pea; tender and well flavored. Pkt., 5c; lb, 20c; 2 lbs, 35c; 10 lbs, \$1.50.

Shropshire Hero.—Bearing a great abundance of large handsome pods, makes this a most desirable sort. Pods long, well filled, and peas of fine flavor. Pkt., 5c; lb, 15c; 2 lbs, 25c; 10 lbs, \$1.20.

Late Sorts.

Stratagem.—The strong, sturdy haulm is literally covered with immense pods, many containing as high as ten large, fine flavored, wrinkled peas. Vines very strong and needing but slight support. Pkt., 5c; lb, 20c; 2 lbs, 35c; 10 lbs, \$1.50.

Champion of England.—Wrinkled; one of the richest and best flavored peas grown; large, long pods, and very productive. Pkt., 5c; lb, 15c; 2 lbs, 25c; 10 lbs, \$1.20.

Yorkshire Hero.—A wrinkled variety, maturing after the Little Gem, but stronger in habit. It is hardy, productive, and of superior flavor. We commend it to all. Pkt., 5c; lb, 15c; 2 lbs, 25c; 10 lbs, \$1.20.

Black-Eyed Marrowfat.—An excellent variety, either for garden or field culture; large pods, well filled; hardy and very productive. Per lb, 10c.

Dwarf White Marrowfat.—A large, delicious marrow pea; an excellent cropper and a favorite with market gardeners. Height, two feet. Per lb, 10c.

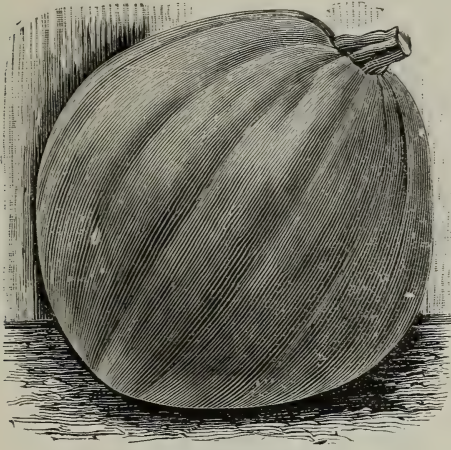
Sharpe's Queen.—An abundant yielder. Pods large and handsome, well filled with large green peas, which are very sweet and tender. Pkt., 5c; lb, 20c; 2 lbs, 35c; 10 lbs, \$1.50.

PUMPKIN.

Potiron — Calabaza — Totanera — Melonen — Kürbiss.

Pumpkins are now principally cultivated for agricultural purposes. They are usually planted in fields of corn or potatoes, but may be profitably raised in fields by themselves. Sow first of May, in hills eight feet apart. One ounce to forty hills; four pounds to an acre.

Sugar.—Smaller than the field pumpkin, but finer grained, sweeter and very prolific; fine for the table or stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 60c.



Quaker Pie.

Japanese Pie.—A very popular pie pumpkin. The flesh is thick and of splendid flavor. Many of our customers tell us that the meaty part of the neck, when prepared as Egg Plant, makes an excellent substitute for that fine vegetable. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 80c.

Mammoth Potiron.—This is also called "King of the Mammoths" and "Mammoth Prize." It is exceedingly large and fine. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 40c; lb, \$1.25.

Large Cheese.—Used for cattle. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 65c.

Mammoth Tours.—Grows to an immense size, often weighing over 100 pounds. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 80c.

Sweet Potato.—This sort has as sweet a flavor as any squash. For cooking purposes it is the finest of all pumpkins. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c; lb, \$1.00.

Connecticut Field.—Very productive; largely grown for feeding stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 15c; lb, 40c.

Kentucky Field.—A large round variety, producing in great numbers. Has thick meat of a fine quality. Very suitable for canners' use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 15c; lb, 40c.

Quaker Pie.—The shape is nearly oval, tapering slightly toward the ends. Color creamy white, both inside and out; flesh sweet and rich. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 30c; lb, \$1.00.

Cashaw or Crookneck.—A French variety liked by many. Has yellow flesh, solid and sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 70c.

RHUBARB.

Rhubarbe—Ruibarbo—Rhabarber.

Rhubarb succeeds best in deep, somewhat retentive soil. The richer its condition and the deeper it is stirred the better. Sow in drills an inch deep and thin out the plants to six inches apart.

Linnaeus.—The earliest of all and very productive and highly flavored. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 40c; lb, \$1.40.

Victoria.—Very large; later than Linnaeus. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 40c; lb, \$1.40.



Radish—Deep Scarlet Forcing.

RADISH.

Radis—Rabanitos—Radies.

Our stock of radishes are the choicest that can be produced. For the first crop sow as early in the spring as the ground can be worked, and every two weeks throughout the season, for a succession of crops. A warm, sandy loam, made rich and light by some good strong manure, thoroughly rotted, will be most likely to afford them brittle and free from worms. One ounce to 100 feet of drill; ten pounds to an acre.

Earliest Round Dark.—(Non Plus Ultra).—(Forcing).—Its shape is of the best type of the round sorts. Color of skin is very dark red, white flesh, with very small tap root. It makes small tops, and will be particularly valuable for forcing, for which we especially recommend it. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 75c.

Cincinnati Market.—(Glass).—The handsomest long red radish for forcing. The tops are so very small that the radishes may stand touching each other in the rows. They grow perfectly straight and smooth, and from six to seven inches in length. Their attractive, glossy scarlet colored skin is very thin, and the flesh crisp and brittle, and of delightfully pungent flavor; it has a clear, waxy, transparent appearance. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 75c.

Scarlet Turnip, White Tipped.—A handsome, very early round sort, skin bright scarlet on top, and shading to white on bottom; crisp and fine; very popular. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 60c.

Early Scarlet Turnip.—A small, round, turnip-shaped radish, with small top and of quick growth. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 60c.

Early Small White Turnip.—Is of quick growth, tender and brittle; flesh pure white and semi-transparent. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 60c.

Large White Summer Turnip.—Like the preceding in shape, but in color white. Flesh pure white and semi-transparent. It is a few days later than the preceding, and will bear the heat

longer without becoming spongy. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 60c.



Early Scarlet, Olive Shape.

Scarlet, Olive-Shaped, Short Top.—In the form of an olive, terminating in a very slim tap root. Skin dark scarlet, tender and excellent. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 60c.

Yellow Summer Turnip.—An oblong, turnip-shaped and russet-colored sort, stands the extreme heat better than any other kind. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 60c.

French Breakfast.—A variety of quick growth, mild and tender; used for forcing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 60c.

Wood's Early Frame.—Not quite as long as the Long Scarlet; of brilliant scarlet color; mild, brittle, of fine flavor; suitable for forcing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 60c.

Chartier Long Scarlet.—Is perfectly adapted for early growth. In color it is deep pink or crimson at the top, shading to a pure white at the tip. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 60c.

Long Scarlet Short Top.—Grows six or seven inches long, is very brittle and crisp and of rapid growth. Color bright scarlet, small top, tapers regularly to the root and is uniformly straight and smooth. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 60c.

White Icicle.—The finest and longest of the early pure white varieties; is ready for use in twenty-five days from planting; their pure white slender form is very attractive; they are very crisp and tender, and remain in that condition longer than any first early variety; they are equally adapted for forcing as for use in the open ground. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 75c.

White Vienna.—A splendid white summer variety, tender and crisp, very popular with our Colorado market gardeners. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 60c.

Long, Brightest Scarlet, White Tipped.—This is very early. A handsome variety, being of the brightest scarlet, tipped with white. Splendid for market or home garden. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 60c.

White Olive Shaped.—Same as Scarlet Olive, except in color. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 60c.

Glass.—Similar to Cincinnati Market. So named on account of its flesh, which is transparent white, crisp, mild flavor and brittle. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 75c.

White Strasburg.—The most valuable summer radish in cultivation. Flesh pure snow white, tender and of a pleasant, pungent taste, without being strong. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 70c.

China Rose Winter.—Is a half long shape, pink color, and flesh as solid as an apple, a good keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 70c.

Black Round Spanish Winter.—Similar to the Black Long Spanish in quality and color; roots turnip-shaped. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 70c.

Large White Russian Winter.—The largest of radishes, sometimes reaching a weight of three pounds; a good keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 60c.

Black Long Spanish Winter.—One of the latest as well as the hardiest of the radishes, and is an excellent sort for winter use. Roots oblong, black, of very large size and firm texture. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 70c.



Cincinnati Market.

SALSIFY OR OYSTER PLANT.

Salsifis—Salsife blanco—Haferwurzeln.

The oyster plant succeeds best in light, well enriched, mellow soil, which, previous to sowing the seeds, should be stirred to a depth of eighteen inches. Sow early in the spring, in drills fifteen inches apart; cover the seeds with fine soil, an inch and a half deep. One ounce to fifty feet of drill; seven pounds to an acre.

Mammoth Sandwich Island.—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 40c; lb, \$1.25.

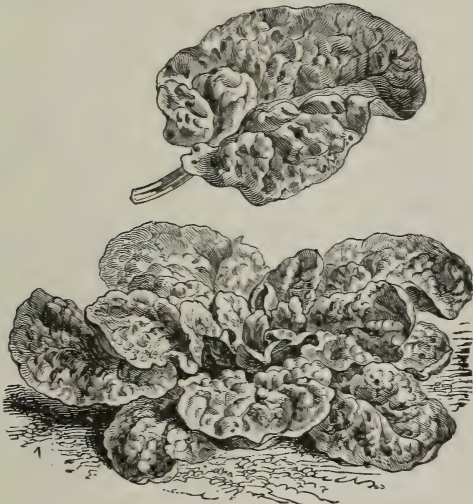
Long White.—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 20c; lb, 75c.

SPINACH.**Epinard—Epinaca—Spinat.**

This is a very important crop in our market gardens, and is one of the most easily managed of all vegetables, requiring but little culture. The main crop is sown in September, and is sometimes covered with straw in exposed places during the winter, which prevents it from being cut with the frost. For summer use it may be sown at intervals of two or three weeks from March to August. Spinach is best developed and most tender and succulent when grown in rich soil. One ounce to 100 feet of drill; ten to twelve pounds to an acre.

Monstrous Viroflay.—A variety with large thick leaves. Equally as good for fall as for spring sowing. Oz., 5c; lb, 30c.

Round Dutch Leaf.—The main market sort, thick leaves. Good for fall or spring sowing. Oz., 5c; lb, 30c.

**Round Leaf.**

Savoy Leaved.—The leaves of this variety are large, of good substance, and curled like the Savoy Cabbage; very productive. Oz., 5c; lb, 30c.

Long Standing.—This variety has the valued characteristic of remaining a long time after maturity, without running to seed. In other respects it closely resembles the round leaf. Quality very fine. Oz., 5c; lb, 30c.

Prickly Winter.—A very hardy variety, and will stand more severe weather than any other kind with but slight protection. Seed is prickly, leaves oblong, used for fall sowing. Oz., 5c; lb, 30c.

5 lbs or more of one variety of spinach, not prepaid, at 20c per lb.

SQUASH.**Courge—Calabaza—Kürbiss.**

Sow about the middle of spring, in hills, the early sort about four feet apart, and the late varieties six to eight feet. Drop enough seeds to be thinned to three plants in a hill. The

hills should be highly manured and prepared in a similar manner as for cucumbers. One ounce to fifty hills for small sorts; large varieties, one ounce to fifteen hills; two to three pounds to an acre.

Boston Marrow.—A much esteemed variety, coming in about ten days later than the bush sorts; a good keeper of unsurpassed flavor. Pkt., 5c; oz., 10c; ¼ lb, 30c; lb, 90c.

Early White Bush Scalloped.—An early, flat, scallop-shaped variety; color white; fine flavored; very productive. Pkt., 5c; oz., 10c; ¼ lb, 25c; lb, 75c.

Early Yellow Bush Scalloped.—Identical with the preceding, except color is yellow. Pkt. 5c; oz., 10c; ¼ lb, 25c; lb, 75c.

Summer Crookneck.—Very early and productive. One of the best for summer use. It is small, crooknecked; color yellow, shell hard when ripe. Pkt., 5c; oz., 10c; ¼ lb, 25c; lb, 75c.

Vegetable Marrow.—A variety used extensively in England. The fruit is oblong, with a greenish yellow rind; flesh white, soft, and of excellent flavor. Pkt., 5c; oz., 10c; ¼ lb, 30c; lb, \$1.00.

Butman.—A fine-grained and distinct variety, dry, sweet and of delicious flavor. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 75c.

Mammoth Chili.—The Jumbo of all squashes, often weighing 200 pounds. Pkt., 5c; oz., 15c; ¼ lb, 30c; lb, \$1.00.

**Hubbard Squash.**

Hubbard.—The best table squash known, good specimens being about equal to the sweet potato. It has a hard shell, and with care will keep three months later than the Marrows; flesh fine-grained, dry, and of excellent flavor. Pkt., 5c; oz., 10c; ¼ lb, 30c; lb, \$1.00.

Warty Hubbard.—This is a superior variety, and the best winter squash known; flesh bright orange yellow; fine-grained, very dry, sweet and rich flavored; keeps well throughout the winter. Pkt., 5c; oz., 10c; ¼ lb, 30c; lb, \$1.00.

Golden Hubbard Squash.—Is a distinct sort, of the shape and general character of the Hubbard, but a little smaller; earlier to mature and of rich orange-red color, instead of the dark olive green of the old Hubbard, while the flesh is a little deeper colored and fully as good quality. Pkt., 5c; oz., 10c; ¼ lb, 30c; lb, \$1.00.

Essex Hybrid.—Very fine variety. The earliest and most productive kind. The flesh is very thick, rich colored and solid. One of the best keepers. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb, 30c; lb, \$1.00.

Turban.—An excellent variety for use in the autumn and early winter. Flesh orange-yellow, thick, fine-grained, sugary and well flavored. In form resembles a turban, or Turk's cap. Pkt., 5c; oz., 10; $\frac{1}{4}$ lb, 25c; lb, 90c.

Marblehead.—This squash, as a rule, is characterized by a shell of more flinty hardness than the Hubbard. The flesh is of a lighter color than the Hubbard. Its outer color is light blue. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb, 25c; lb, 90c.



Tomato—Livingston's Beauty.

TOMATO.

Pomme d'amour—Tomate—Liebesapfel.

Livingston's Best Productions are Sold in Original Sealed Packets Only.

The best crops are grown in warm, light soil. Sow in hot-beds about the first week in March, in rows four inches apart and about one-half inch deep, gradually harden them by exposing them to the air, and set out when all danger of frost is over.

Livingston New Globe Tomato.—Amongst the first to ripen, of beautiful globe shade, large size, very smooth; flesh firm, has few seeds; ripens evenly. The color is a beautiful glossy rose, tinged purple; a good cropper and one of the best for greenhouse culture or for first early crop. Pkt., 15c.

Earliana.—A new variety, similar in growth, but maturing the bulk of crop a little later than Atlantic Prize. The fruit is larger, distinctly smoother and of fine quality. This is a particularly profitable tomato for market gardeners. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, \$1.00.

Royal Red.—A splendid main crop variety for the shipper, market and private gardener, and of special value for canning or making catsup. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 60; lb, \$2.00.

Beauty.—One of Livingston's best; glossy crimson with purple tinge; holds its size well late in the season; its tough skin makes it a good shipper. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 60c; lb, \$2.00.

Magnus.—A variety of recent introduction, producing purple fruit of the largest size, much smoother than most of the large fruited sorts, and matures earlier. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 60c; lb, \$2.00.

Perfection.—This is one of the handsomest tomatoes grown. All who have tried it pronounce it of the highest quality; large round, smooth, red fruit. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 60c; lb, \$2.00.

Stone.—Fruit firm, solid and of a desirable red color, a large yielder, and for carrying qualities is unsurpassed, shape perfectly smooth, from stem to blossom thicker than most any other kind. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 60c; lb, \$2.00.

Acme.—Well known as the earliest good tomato for early or main crop. Fruit medium size, smooth, red, with a purplish tinge; ripens evenly, making it one of the best for market or family use. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 60c; lb, \$2.00.

Favorite.—Ripens early and even, large, smooth, color red, free from cracks, with few seeds and solid flesh. It is a good shipper, and one of the best for canner's use. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 60c; lb, \$2.00.

Lorillard or Forcing Tomato.—Fine under glass; of good size; vermilion scarlet. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb, 80c; lb, \$3.00.

Ground Cherry, or Husk Tomato.—This is valued by many for preserves. The seed we offer is from the purple and yellow Ground Cherry; very prolific. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 60c.

Red Pear, Red Cherry, Yellow Plum.—Pkt., 5c.; oz., 20c; $\frac{1}{4}$ lb, 60c.

We also carry the following well-known standard varieties: Paragon, Dwarf Champion, Optimus, Dwarf Aristocrat, Mayflower, Buckeye State, Trophy, Canada Victor, Scoville's Hybrid, Hathaway's Excelsior. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb, 50c; lb, \$1.90.

TOBACCO.

Tabac—Taback—Saamen.

Connecticut Seed Leaf.—Per oz., 20c; $\frac{1}{4}$ lb, 60c.

Havana.—Oz., 25c; $\frac{1}{4}$ lb, 75c.

TURNIP.

Navet—Nabo—Weisse Rube.

Turnips do best in highly enriched, light sandy or gravelly soil; commence sowing the earliest varieties in April, in drills from twelve to fifteen inches apart, and thin out early to six or nine inches in the rows. For a succession, sow at intervals of a fortnight until the last week in July, from which time until the end of August, sowing may be made for the fall

and main crop. One ounce will sow 150 feet of drill; 1½ lbs to an acre.

Extra Early Milan, Purple Top, Strap-Leaved.—This variety is without doubt the earliest variety in cultivation; of fine, flat shape, and of excellent quality. Pkt., 5c; oz., 10c; ¼ lb, 25c; lb, 75c.

Extra Early White Milan.—Very similar to the preceding except the skin. Is a pure white, thus making it especially desirable for forcing. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 60c.

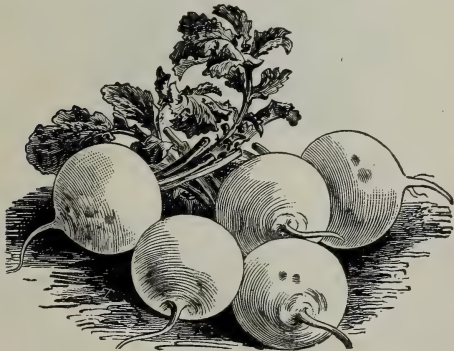
Red Top Globe.—Globe shape, large, firm in texture, juicy, and of exceedingly quick growth, very hardy and productive. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 50c.

White Globe.—It is one of the most productive kinds. In good, rich soil the roots will frequently grow to twelve pounds in weight; it is of the most perfect globe shape, skin white and smooth, leaves dark green and of strong growth. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 50c.

Early Purple Top, Strap-Leaved.—Is a very early variety, and is rapidly taking the place of all other flat turnips for table use. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 50c.

Early White Top, Strap-Leaved.—A standard variety of the flat turnip, good marketable size, pure white, small top, with but few strap-shaped leaves. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 50c.

Golden Ball.—Rapid grower, excellent flavor, globe shaped and of a beautiful bright yellow color; a good keeper, and has no superior for table use. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 50c.



Turnip—Snowball.

Early Snowball.—A medium sized, round, pure white variety of excellent flavor. For early sowing this is one of the best, being crisp, tender and sweet, maturing in six weeks from time of sowing. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 50c.

Early White Flat Dutch.—Medium size, of quick growth, juicy and of excellent quality; may be used in either spring or fall. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 50c.

Early White Egg.—A quick-growing variety, perfectly smooth and nearly egg-shaped. In color it is pure white, of extraordinary firmness and solidity; grows about half out of the ground, has small top and rough leaves. The flesh is very sweet, firm and delicious. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 60c.

Amber Globe.—Is one of the best varieties for general crop. Flesh firm and sweet, and keeps well until late in spring, grows to a large size, and is excellent for stock or table use. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 50c.

Yellow Aberdeen.—Very hardy and productive, good keeper, globe-shaped, color pale yellow with purple top; very firm in texture and closely resembling the Rutabaga in good keeping qualities; good either for table or stock. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 50c.

Cow Horn.—Matures very quickly, roots shaped like carrot, about half above ground. Flesh white, fine-grained and sweet, and of excellent quality for table use. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 50c.

Rutabaga or Swedish Turnip.

The Rutabaga, or Swedish Turnip, is extensively grown for a farm crop. The roots are close-grained, very hard, and will endure much cold without injury. The roots are best preserved in a pit or cellar during the winter, and are excellent for table early in spring. Sow from June 20th to the middle of July in drills two feet apart, and thin to eight inches.

Skirving's Purple Top.—Standard sort. A first rate variety for table or stock; grows to a large size; flesh firm, solid and sweet, and a good keeper; the best for Colorado soil. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 50c.

Laing's Improved.—One of the earliest of the Rutabagas; forms a handsome bulb of good quality. Keeps well; best for table use. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 50c.

Westbury Swede.—A new, superior sort. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 50c.

Sweet German.—Flesh white, solid, sweet. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 50c.

Shamrock Swede.—A popular English sort, shortneck and oblong in shape; yellow-fleshed. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 50c.

SWEET HERBS.

Anise.—Cultivated principally for garnishing and seasoning. Pkt., 5c; oz., 10c.

Basil, Lettuce-Leaved.—The leaves and tops of the shoots are the parts gathered, and are used for highly seasoned dishes, as well as in soups, stews and sauces. Pkt., 5c; oz., 15c.

Balm.—Principally used for making balm tea. Pkt., 5c; oz., 25c.

Borage.—Excellent for bees; a hardy annual; used as a pot herb and its beautiful blue flower as a garnish. Pkt., 5c; oz., 10c.

Caraway.—Chiefly cultivated for the seed, which is used in confectionery and medicine. Oz., 5c; ¼ lb, 10c.

Coriander.—Cultivated for garnishing, but more frequently for its seeds, which are used by confectioners. Pkt., 5c; oz., 10c.

Catnip.—Used as a medicinal herb, and also in bee feeding. Pkt., 5c; oz., 35c.

Dill.—The leaves are used in soups, sauces, and with pickles. Pkt., 5c; oz., 10c.

Fennel, Long Sweet.—The leaves, boiled, enter into many fish sauces, and when green, form a beautiful ornament. Pkt., 5c; oz., 10c.

Horehound.—Principally used for medicinal purposes. Pkt., 5c; oz., 20c.

Lavender.—A popular aromatic herb. Pkt. 5c; oz., 15c.

Marjoram, Sweet.—Used for seasoning. Pkt., 5c; oz., 15c.

Pennyroyal.—Used for its medicinal properties. Pkt., 10c; oz., 75c.

Rosemary.—An aromatic herb. Pkt., 5c; oz., 30c.

Summer Savory.—Used for seasoning. Pkt., 5c; oz., 10c.

Saffron.—Cultivated for its flowers, which

are used in dyeing, and has also strong medicinal properties. Pkt., 5c; oz., 10c.

Sage.—The leaves and tender tops are used in flavorings and dressings. Pkt., 5c; oz., 15c.

Sorrel.—Much used for salad. Pkt., 5c; oz., 10c.

Thyme, Broad-Leaved.—Used for seasoning. Pkt., 5c; oz., 25c.

Tansy.—Cultivated for its medicinal properties. Pkt., 5c; oz., 25c.

White Poppy.—Used for its medicinal properties. Pkt., 5c; oz., 15c.

Wormwood.—Pkt., 5c; oz., 25c.

FLOWER SEEDS

We offer you below our carefully revised list of standard flower seeds. The descriptions are accurate, and the quality the very best. For full list of the choicest Nasturtiums and Sweet Peas see pages 2, 3, 4 and 5. All flower seeds mailed postpaid on receipt of price.



Adonis Flos.

ACONITUM (Monkshood).

Showy, hardy perennials, growing well under trees, shrubberies or other shaded situations.

Aconitum Napellus.—Blue and white; two feet. Pkt., 5c.

ADONIS (Pheasant's Eye).

The flowers are very brilliant, but not very freely produced. The foliage is pretty, delicate and many parted. It will grow readily in a shaded place under a tree or by a fence, and requires no extra care in planting or cultivating. Hardy annual; one foot high.

Adonis Flos.—Scarlet; one foot. Pkt., 5c.

ACROCLINIUM (Everlasting).

This beautiful flower somewhat resembles the Rodanthe, but the flower heads are of larger size. It is largely used for winter bouquets, for which purpose the flowers should be cut before they are fully expanded. Half hardy annual.

Mixed.—Pkt., 5c.



Sweet Alyssum.

AGERATUM.

A valuable plant on account of the length of time it remains in bloom, and for contrast of color with the more brilliant varieties. It blooms constantly all summer in the garden. Hardy annual.

Ageratum Mexicanum.—Light blue. Pkt., 5c.

AGROSTEMMA (Crown of the Fields).

Perfectly hardy plants, producing pretty pinklike blossoms on long, slender stems. Very useful for cutting for bouquets, and pretty in masses or in beds. The annual variety is known as Rose of Heaven, the perennial as Rose Campion. About 1½ feet high.

Agrostemma Coeli Rosa (Rose of Heaven).—Rose white center. Annual. Pkt., 5c.

Agrostemma Coronaria (Rose Campion).—Crimson. Perennial. Pkt., 5c.

AMARANTHUS.

Valuable for its varieties of handsome foliage, whether grown in the conservatory or garden.

The colors will be more brilliant if planted in moderately rich soil.

Amaranthus Tricolor. (Joseph's Coat).—Leaves yellow, red and green. Very showy in beds alone. Hardy annual; two feet high. Pkt., 5c.

Amaranthus Caudatus.—(Love lies bleeding).—Well known. Pkt., 5c.

ALYSSUM.

Seedsmen, perhaps, sell more Sweet Alyssum than any other annual grown. Whether used for summer blooming or flowering in fall and winter, in the parlor or greenhouse, its easy culture and the delicate, honeylike fragrance of its flowers, so much prized in bouquets and baskets, render it most unlikely that this old favorite will ever be cast aside.

Alyssum, Sweet (*Maritimum*).—Flowers white; one foot; hardy annual. Pkt., 5c.

Compactum.—"Little Gem"—Of dwarf, robust growth; an excellent cut flower; half foot. Pkt., 5c.

Saxatile Compacta.—(Rock or Golden Alyssum).—Showy yellow; three-quarter foot, hardy perennial. Pkt., 5c.



Aster—Choicest Giant Comet.

ASTERS.

No family of plants bears such distinct marks of progress as the Aster, and none are more eagerly sought. The seed should be sown early in spring, and the young plants transplanted from one to two feet apart, according to the height and size.

Giant Comet.—The perfection of all Asters; plants are vigorous and taller growing than the ordinary Comet, the flowers in this class have very long and recurved petals, having much the effect of the finest chrysanthemums. The colors are of varied and beautiful shades, and has become the favorite amongst lovers of this beautiful and useful flower. Pkt., 10c.

Gitana.—A new variety of large flowering Aster, from the originators Vilmorin of Paris, France; very fine and of beautiful shades of color. Pkt., 15c.

Crown or Cocardeau.—A very handsome variety, with large flowers, the centers of which are pure white, surrounded with many bright colors; two feet. Pkt., 10c.

Peonia Flowered (Double, Mixed).—The flowers of this variety are remarkable for their perfect form and immense size—two feet high. Pkt., 10c.

Perfection (Mixed, Double).—The petals beautifully curved; one of the best in every respect. Pkt., 10c.

Quilled German (Mixed, Double).—Of oval form; flowers large, brilliant and freely produced; 1½ to 2 feet high. Pkt., 5c.

Fine mixed.—All varieties. Pkt., 5c.

BACHELOR'S BUTTONS (Globe Amaranth).

A desirable everlasting, valuable for its handsome globular heads of flowers, which if cut when matured, will retain their beauty for years. Seeds germinate slowly; start in hot-bed, or soak in warm water to soften the woolly husk. Tender annuals; two feet high.

Globe Amaranth.—Mixed; two feet high. Pkt., 5c.

Ragged Robin.—*Centaurea Cyanus*.—Bachelor's Buttons, or Cornflower. Pkt., 5c.

BALSAMS (Ladies' Slipper, Touch-Me-Not).

Magnificent conservatory or out-door plants, producing their gorgeous masses of beautiful, brilliant colored flowers in the greatest profusion. The soil should be of the richest possible character. Tender annuals.

Balsam, Double-Tall.—Fine mixed. A particularly fine strain of Balsam. Pkt., 5c.

Balsam, Dwarf Double.—Grows only one foot high. Pkt., 5c.

Balsam, Double Camellia Flowered.—Pkt., 5c.



Candytuft Empress.

CANDYTUFT.

One of the most popular hardy annuals, almost equal to Sweet Alyssum. Like it, it is one of the easiest culture, and grown for a variety of purposes almost all the year around.

Giant Empress.—Pure white. Pkt., 5c.

New Carmine.—Pkt., 5c.

Candytuft.—White. Pkt., 5c.

Candytuft.—Dark purple. Pkt., 5c.

Candytuft.—Dwarf, mixed. Pkt., 5c.

CANNAS (Indian Shot).

Cannas, or Indian Shot, are very ornamental, and much used in sub-tropical gardening for groups and masses. With rich soil and a sheltered location they will flower freely through the summer and late into the autumn. Pkt., 5c.

CARNATION.

No flower can surpass in delicacy of marking, form or delicious fragrance, the richly-hued Carnation. It has always been one of the most esteemed of the florist's collection, and there is no flower more esteemed for the garden. Sow under glass in greenhouse or hot-bed, and when of sufficient size transplant two feet apart each way.

New Dwarf Marguerite.—The plants are dwarf, branching, compact and neat in habit, standing well upright without any support. Pkt., 10c.



Campanula—Canterbury Bell.

CANTERBURY BELLS.

One of the best known plants grown in the garden. The hardy perennials, if sown early in good soil, will bloom early the following season. These are very fine for edgings and beds.

Campanulor—Canterbury Bell.

Canterbury Bells.—Single varieties. Pkt., 5c.

Canterbury Bells.—Double varieties. Pkt., 5c.

COLUMBINE (Aquilegia).

Aquilegia Coerulea.—(Colorado's Emblematic Flower).—Sow early in spring; they do not always flower the first season, but one established they are perpetual. Flowers very early in the spring. Hardy perennial. Pkt., 10c.

Aquilegia Hortensis.—Double; very fine, mixed. Pkt., 10c.

Aquilegia-Chrysantha.—(Golden Spurred Columbine).—A strong-growing, beautiful variety, attaining a height of four feet; flowers bright yellow. Pkt., 5c.

Aquilegia Siberica.—Dark blue. Double. Pkt., 10c.

CALENDULA.

Calendula Meteor.—Very handsome, perfectly double and beautifully striped, the petals being cream color, edged with orange yellow. Pkt., 5c.

Double Mixed.—Pkt., 5c.

CHRYSANTHEMUM.

The great and growing demand for the annual varieties has brought Chrysanthemums

into general favor. The leading sort now grown for cut-flowers at nearly all seasons is **Burridgeanum**, an exceedingly beautiful sort, the colors having the appearance of being laid on with a brush, and for this reason they are frequently called "Painted Daisies."

Chrysanthemum Coronarium.—Double mixed. Pkt., 5c.

Chrysanthemum Carinatum Burridgeanum.—Double Hybrid. Pkt., 5c.

CLARKIA.

A beautiful tribe of favorite plants, with pretty, cheerful-looking flowers, growing freely and blooming profusely under almost any circumstances. Hardy annuals.

Clarkia Pulchella.—Double, mixed; one and a half feet. Pkt., 5c.

CATCHFLY (Silene).

A beautiful genus of free-flowering plants, with bright, attractive flowers, admirably adapted for spring and summer blooming in beds, rock work, etc.

Silene Pendula Compacta Nana.—Mixed. Plant dwarf and compact, forming dense cushions, two or three inches in height. Pkt., 5c.

CENTAUREA.

An exceedingly interesting genus of plants, embracing annuals, biennials and perennials. Some of the varieties are magnificent foliage plants, while others are noted for their beautiful flowers.

Centaurea Cyanus.—(Blue Bottle).—Corn flower or Bachelor's Button. Pkt., 5c.

Imperialis.—This beautiful class is undoubtedly the finest of all Sweet Sultans. The beautiful sweet-scented, artistic-shaped flowers are borne on long, strong stems, and when cut will stand for several days in good condition. Pkt., 5c.



Clarkia Pulchella.

Margueritae.—The prettiest and sweetest of the Sweet Sultans, very beautiful large flowering. Pkt., 5c.

Moschatus.—Sweet Sultan. Mixed colors. Pkt., 5c.

Centaurea Candidissima.—"Dusty Miller".—Pkt., 5c.

Suavoleus.—A very pretty yellow-flowered variety, very sweet-scented. Pkt., 10c.

COCKSCOMB (*Celosia*).

Annual plants of tropical origin, and one of the most satisfactory and showy plants for garden decoration, bearing in the greatest profusion spikes of beautiful, feather-like blossoms. In this class is included the well-known Cockscumb.

Feathered.—Very fine mixed. Pkt., 5c.

Tall.—Extra fine mixed. Pkt., 5c.

Dwarf Mixed.—Pkt., 5c.

COSMOS.

Beautiful autumn flowering plants, producing thousands of beautiful flowers, in pure white, pink, and crimson shades. Should be sown in the spring, in the open ground, when all danger of frost is passed, or the seed may be started under cover, and afterwards transplanted. Plant about 18 inches apart in the rows, or in masses in beds. When the plants are about a foot high the tops should be pinched out to induce a bushy growth.

Giant Fancy.—Flowers often five inches wide, and with the petals beautifully fringed.

White.—Pkt., 10c.

Red.—Deed and dark. Pkt., 10c.

Pink.—Bright and clear shades. Pkt., 10c.

Mixed.—All shades from pure white to deep crimson. Pkt., 10c.

Early Large Flowering.—Pkt., 5c.

COBOEA.

A fine summer climbing plant, quick growing and bearing large, bell-shaped, purple flowers. In sowing place the seed edgewise and cover lightly.

Coboea Scandens.—Purple; 20 feet. Pkt., 10c.

CYPRESS VINE.

One of the most beautiful of the climbers; fine, delicate cut foliage, dotted with small, scarlet star shaped flowers. For covering pillars trellis, work, etc., is not surpassed for grace and beauty. Height, 8 feet. Tender annual.

Ipomoea Quamoclit.—Mixed colors. Pkt., 5c.

CASTOR OIL BEAN (*Ricinus*).

Tall growing plants of tropical origin, whose luxuriant foliage renders them exceedingly ornamental and desirable. Half hardy annuals.

Zanzibariensis.—A new and distinct class, the plants of which attain great dimensions, presenting a splendid aspect with their gigantic leaves. The varieties in our mixture include light and dark green leaves, some of coppery bronze, changing to dark green, with reddish ribs. Pkt., 5c.

Tall.—Splendid ornamental plant, eight feet high; mixed. Pkt., 5c.

Dwarf Mixed.—Pkt., 5c.

CALLIOPSIS, OR COREOPSIS.

Coreopsis.—Very showy annual or perennial plants, easily cultivated in ordinary soil. They

are abundant in bloom, and of bright, attractive colors. *C. lanceolata* and *C. grandiflora* are fine for cutting. Pkt., 5c.



Daisy—Double.

DAISY.

Charming little plants for edgings and borders. The flowers are quilled and flat petaled, white, pink, red and variegated. Sow early in hot-bed, and when large enough transplant to rich, cool, partially-shaded situation. Set the plants six inches apart. Roots can be divided at any time. Flowers are most abundant in spring. Tender perennial, six inches high.

Daisy.—Double mixed; very fine. Pkt., 10c.



Delphinium Formosum.

DELPHINIUM (Perennial Larkspur).

This Larkspur is one of the handsomest and most useful plants, and for large gardens is invaluable. The leaves are much divided and the flowers in terminal spikes. Easily propagated by seed or by dividing the roots; delights in a deep, rich soil, and should be sown in August or September.

Delphinium Hybrid.—Extra fine mixed. Pkt., 5c.

Delphinium Formosum.—Light blue. Pkt., 5c.

DAHLIA.

(For list of roots see pages 38 and 39.)

Dahlia.—Finest double mixed, seed saved from choicest flowers. Pkt., 10c.



Dahlia.

Dahlia.—Single mixed, very brilliant flowers, running through a very wide range of striking colors; easily raised from seed and very desirable, and will bloom the first year from seed. Pkt., 5c.



Eschscholtzia—Double Crocea.

ESCHSCHOLTZIA (California Poppy).

Very profuse blooming plants of extremely rich and beautiful colors; one foot. Hardy annuals.

Crocea.—A new double flowering variety, flowers bright orange, scarlet shading off to salmon and red; quite a distinct sort and an abundant bloomer. Pkt., 10c.

Californica.—Bright yellow, with rich orange center. Pkt., 5c.

Rose Cardinal.—Large flowers of intense carmine. Pkt., 5c.

FOUR O'CLOCK (Marvel of Peru).

Old-fashioned, but none the less beautiful on that account. The plants are large and require four feet space; makes a pretty hedge. Some of

the varieties have beautifully variegated leaves. Will grow in any common garden soil, from seed sown in open ground. Hardy annual; two feet high.

Marvel of Peru.—Hybrid, finest mixed. Pkt., 5c.

FOX GLOVE (Digitalis).

Handsome ornamental plants, of stately growth and varied colors. Hardy perennials. Very fine mixed, three feet. Pkt., 5c.

FORGET-ME-NOT (Myosotis).

The different varieties of this popular plant are very beautiful and too well known to need mentioning. They succeed best in moist locations.

Myosotis Palustris (Forget-Me-Not).—Large flowering; mixed. Pkt., 10c.

Myosotis, Dwarf, Blue.—A charming dwarf Forget-Me-Not, under eight inches in height, free growth, thriving well in either sunny or shady spots. Pkt., 10c.

GERANIUM.

No garden seems complete without a bed of them, and in every collection of conservatory or parlor plants we are sure to find the Geranium. Propagation by seed is the only sure way to obtain superior varieties. Sow in March in gentle heat, in well drained pots.

Geranium.—Double mixed. Pkt., 10c.



Godetia.

GODETIA.

Of hardy annuals none are more beautiful than these; they are of a dwarf habit of growth; the flowers are of handsome shape, in the most brilliant as well as delicate colors, and are produced in marvellous profusion. They are of the easiest possible culture; any child can make them grow. Pkt., 5c.

GOURDS (Cucurbita).

A tribe of climbers with curiously-shaped fruit, in various colors. Being of rapid growth, they are fine to cover old fences, trellises, etc. Do not plant the seed until all danger of frost is over, and select rich, mellow ground. Tender annual climbers; ten to twenty feet high.

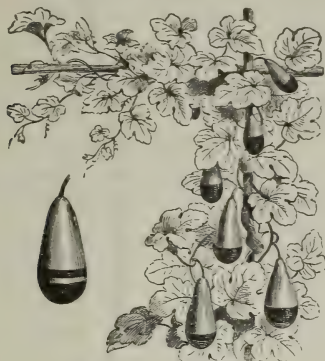
Nest-Egg.—White. Pkt., 5c; oz., 25c.

Hercules' Club.—A curious sort. Pkt., 5c.

Mixed.—Pkt., 5c.

Mock Orange.—Bicolor, or green and yellow; flat, striped; bottle or peline. Pkt., 5c.

Dipper.—Pkt., 5c; oz., 25c.



Gourd—Fancy.

GYPSOPHILLA.

Pretty, free flowering, elegant plants, succeeding in any garden soil. Their misty white panicles of bloom are largely used for mixing with other cut flowers.

Gypsophilla Elegans.—Pkt., 5c.

Gypsophilla Paniculata.—(Baby's Breath).—White flowers, fine for bouquets; one of the favorite hardy perennials. Pkt., 5c.

HYACINTH BEAN (Dolichos).

Beautiful climbing plants of free growth and flowering in character; ten feet. Tender annuals.

Dolichos Lablab.—Mixed. Pkt., 5c.

HELIOTROPE.

Well known, deliciously fragrant plants, excellent for bedding purposes or pot culture. Half hardy perennial.

Heliotropium Grandiflora.—Finest mixed; 18 inches. Pkt., 5c.

HOLLYHOCK.

The flowers are as double as the rose, of many shades of color, from deep yellow, red and purple, to pure white. Plant the seed in June or July, in open ground, and in the autumn, when the plants have made five leaves, transplant to permanent position, three feet apart. The following summer they will bloom. Each plant should be supported by a stake. Hardy perennial; five feet high.

Hollyhock, Double.—Extra choice, Chater's double, finest mixed. Pkt., 10c.

ICE PLANT (Mesembryanthemum).

A very singular dwarf, trailing plant, much used for garnishing. The leaves and stems are covered with crystalline globules, giving it the appearance of being covered with ice. Half hardy annuals.

Ice Plant.—Pkt., 5c.

JOB'S TEARS (Coix Lacryma).

Curious ornamental grass from East Indies, with broad, corn-like leaves. Plant in open

ground, in hills three feet apart, four or five seeds in a hill, and cover half an inch deep. Hardy annuals; three feet high.

Job's Tears (Coix Lacryma).—Pkt., 5c.

LANTANA.

The varieties of the Lantana are almost numberless. The flowers are borne in Verbena-like heads, embracing every shade of pink, purple, orange and white.

Lantana.—Finest French Hybrid mixed, all colors. Pkt., 10c.

LARKSPUR.

Well known annuals of great beauty, and noted for the richness of their colors, especially in blue shades. Easily propagated by seed; delights in a deep, rich soil, and should be sown in August or September.

Dwarf German Rocket.—Double, extra fine mixed. Pkt., 5c.

Branching.—Double, finest mixed. Pkt., 5c.

Tall German Rocket.—Double, finest mixed. Pkt., 5c.

LOBELIA.

A most elegant and useful genus of plants, of easy culture, and well adapted for bedding, edging, pots or rockeries. They are applied as universally in summer gardens as Scarlet Geraniums, to beds of which they form a neat and effective edging. Seeds should be covered lightly.

Crystal Palace Compacta.—Blue; the best bedding variety; six inches. Pkt., 10c.

Mixed.—Pkt., 5c.



Marigold

MARIGOLD.

The Marigold has been an inhabitant of the flower garden from time immemorial, and where a rich display of bloom is desired, is almost indispensable. The French varieties are tall, usually two feet or more, while the African are more dwarf, of most perfect form and gorgeous beauty; all are desirable. Half hardy annual; in bloom till frost.

African, Double Dwarf.—Very fine mixed. Pkt., 5c.

French, Tall.—Very fine mixed. Pkt., 5c.

MORNING GLORY (Convolvulus).

All will recognize in this the most popular annual in cultivation, for in this tribe is included the well-known Morning Glory. The

minor varieties are largely used and well suited for bedding; they attain an average height of one foot. Half hardy annuals.



Morning Glory—Tall.

Convolvulus Major.—Tall, very fine mixed. Pkt., 5c.

Convolvulus Tricolor or *Minor*.—Dwarf; bright blue, shaded to pure white next to the golden center. Pkt., 5c.

Japanese Morning Glory.—Pkt., 10c.



Mignonette—Large-flowering Sweet.

MIGNONETTE.

A well-known hardy annual, producing dense, semi-globular heads of exceedingly fragrant flowers, borne on spikes three to six inches long. It is in bloom nearly the whole season, and the perfume is so fragrant that the whole atmosphere around is perfumed.

Dwarf.—Machet, dwarf, French variety, with broad spikes of very fragrant red flowers. Pkt., 10c.

Reseda Odorata.—Sweet; large flowering variety. Pkt., 5c.

Large Flowering Pyramidal.—(*Reseda Ameliorata*).—Quite distinct from the old large flowering variety; its foliage and flowers are much larger; the plants are of pyramidal growth and attain large size. Pkt., 5c.

MOURNING BRIDE.

One of the best flowers for bouquets; plants of dwarf habit, and compact; the flowers borne on long, wiry stems. A great variety of colors, from white to very dark purple—almost black. In bloom from August till after severe frosts. Height, 18 inches. Tender perennial.

Scabiosa.—Dwarf double, mixed. Pkt., 5c.

MUSK PLANT (*Mimulus*).

Strikingly handsome flower of easiest cultivation. Perennials in the greenhouse; annuals in the open air.

Mimulus Moschatus.—(Musk Plant).—Cultivated on account of the musky odor of the plant. Needs rich soil and plenty of moisture. Pkt., 5c.

Tropaeolum Peregrinum.—Canary Bird Flower.

NASTURTIUMS.

Nasturtium, Trailing, Tropaeolum Lobbianum.—This variety differs from the common running Nasturtium. It is less rank in growing, produces more flowers, has a larger range of richer colors, from palest yellow to deepest maroons. Fine for covering arbors, trellis and rustic work. Half hardy annual; 10 feet high. For description of colors and prices see pages 4 and 5.

Nasturtium Dwarf. Tropaeolum Minor.—A bed of Dwarf Nasturtium in the yard, embracing all the rich colors of the Lobbianum types, is very brilliant and attractive, and blooms all the season; one foot high. For description of colors and prices see pages 4 and 5.

Tropaeolum Peregrinum.—(Canary Bird Flower).—This is one of the most beautiful climbers, with handsomely fringed rich yellow flowers, and delicate foliage. Pkt., 5c.



NEMOPHILA.

Nemophila or **Love Grass.**—A hardy annual growing about six inches high. Has small, cup-shaped blossoms about one inch in diameter, in white and shades of blue. Pkt., 5c.

NICOTIANA.

The plant is described as being about two feet high, hardy, gracefully branching, and producing a wonderful abundance of most handsome carmine-red flowers. The seed may also be sown out of doors as early as warm weather permits.

Nicotiana Sanderae.—Pkt., 15c.

NIGELLA.

Curious and interesting free-flowering plant of the easiest culture, growing in any garden soil. Hardy annuals.

Nigella Damascena Nana.—(Devil in a Bush).—Double dwarf; nine inches. Pkt., 5c.

Nigella Hispanica.—(Love in a Mist).—Pkt., 5c.

PETUNIA.

Most valuable plants, succeeding well almost anywhere. They are particularly showy in beds or masses, and are universal favorites on account of their richness of color, fragrance and continued blooming.

Superbissima Mixed.—The flowers are of immense size, beautifully colored; the open throats are exquisitely veined. Compared with other strains sold as Giants of Colorado, etc., we have found none superior, and most of them inferior to our strain of this magnificent variety. Pkt., 25c.

Petunia Hybrid Double.—Large flowering, striped, mixed; very fine strain, with large, perfect flower. Pkt., 15c.

Striped.—Extra fine mixed. Pkt., 5c.

Single Fine Mixed.—Pkt., 5c.

PRIMULA SINENSIS (Chinese Primrose).

Sow in shallow boxes filled with good, rich soil, dusting a little fine earth over them; if covered too deeply, or if the seed be wet and allowed to dry again, they will not germinate. Transplant into pots and they will be ready for winter blooming in the drawing room. Tender perennials, six to nine inches high.

Sinensis Fimbriata Filicifolia.—Flowers large, of great substance; finely fringed; mixed. Pkt., 10c.

Officinalis.—(English Yellow Primrose).—Pkt., 10c.



Dianthus Plumarius—June Pink.

PICOTEE.

Very much like Carnation, as fine and more delicate in its coloring. Perennial. Height, 18 inches. German, mixed. Pkt., 10c.



Poppy—Double.

POPPY.

Plants with large and brilliant colored flower; always makes a showy display in the garden.

Carnation.—Flowered, double, mixed; 2 feet. Pkt., 5c.

Shirley.—These charming Poppies range in color, extending from pure white through the most delicate shades of pale pink, rose and carmine to deepest crimson. Pkt., 5c.

Iceland (Perennial).—These Poppies produce flowers the first year from seed. The colors range from the purest white to the deepest orange scarlet, and have a delicious fragrance. Mixed colors. Pkt., 10c.

Oriental (Perennial).—A row of these in bloom makes a splendid show. The prevailing color is the brightest scarlet imaginable, the flowers often measuring six inches across, and they last a long time. Pkt., 10c.

SNAPDRAGON (Antirrhinum).

The Antirrhinum is one of the finest border perennials. The Tom Thumb strain is admirably adapted for bedding, being very dwarf and free-flowering. Light soil, well enriched with manure, is most suitable for them. Sow in May or in autumn.

Tall.—Very choice, mixed; large flowering. Pkt., 5c.

Dwarf.—Very fine, large flowering; selected seed. Pkt., 5c.

SALVIA (Flowering Sage).

Splendens.—Large flowering Scarlet Sage. Pkt., 5c.

SALPIGLOSSIS.

The Salpiglossis is one of the greatest favorites among the annuals, partly because of its easy culture, but principally for its beautiful orchid-like flowers, which it produces from early summer until late fall.

Superbissima.—(Emperor).—Mixed. This new variety forms only one leading stem and bears on its summit a veritable bouquet of the most beautiful flowers, each one richly veined with gold. Pkt., 10c.

Grandiflora.—A very fine variety, all colors, mixed, bearing very choice flowers. Pkt., 10c.

SENSITIVE PLANT (Mimosa).

An interesting and curious plant; with globular heads of pink flowers, well known for the extreme irritability of its leaves and footstalks, which close and droop at the slightest touch, or in cloudy, damp weather, and during the night. Start in hot-beds, in pots, and transplant into a warm situation, six inches apart. Tender annual; two feet high.

Mimosa Pudica.—Pkt., 5c.

SMILAX.

Sow in shallow boxes in light soil at any season of the year. Press the seed evenly into the soil, and then cover to the depth of one-sixteenth of an inch. The seed often germinates slowly, lying sometimes three or four months before it all comes up. When fit to handle, transplant into shallow boxes or small pots. Pkt., 10c.

PYRETHRUM (Feverfew).

Very useful and universally admired bedding plants, deserving a place in every garden. The single varieties are worthless, but the double flowering sorts are very beautiful. Half hardy perennials, usually requiring the protection of a cold frame or conservatory through the winter. Any good soil suits them.

Roseum.—Single mixed. Pkt., 5c.

Parthenium.—(Golden Feather).—Pkt., 5c.

PANSY (Heartsease).

These lovely flowers are favorites with all, not only for the brilliancy and variety of their colors, but for the durability of their bloom. Seed may be sown in open ground in spring or summer, or in hot-beds early in spring. The ground cannot be too rich; coolness and moisture are necessary. Transplant when an inch high. Hardy biennial; four inches high.

Western Beauty.—Very large, round flowers of beautiful form and splendid substance. The colors and markings are remarkably fine. Best in cultivation; mixed. Pkt., 25c.

La Parisienne.—Very large flowering, of the most exquisite shades of color. Pkt., 15c.

Pride of Denver.—A beautiful strain of the choicest Pansies, and a very valuable addition to the large-flowering kinds, and admired by all for their striking beauty. Pkt., 15c.

Trimardeau.—Very large flowered, mixed.

The flowers are each marked with three large blotches or spots. Pkt., 10c.

Lord Beaconsfield.—Ground color is purple violet, shading off in top petals only to a whitish hue. The flowers are of immense size. Pkt., 15c.



Pansy—La Parisienne.

Perfection.—Large flowering. Pkt., 10c.

Variegated Stripe.—Fine. Pkt., 5c.

King of the Blacks.—Coal black. Pkt., 5c.

Purple, Gold Edged.—Pkt., 5c.

Yellow.—Pkt., 5c.

Sky Blue.—Pkt., 5c.

White.—Pkt., 5c.

Mixed.—Pkt., 5c.

PHLOX PERENNIAL.

The varieties of Perennial Phlox are among the choicest of our flowers for bedding and border plants. They are perfectly hardy and need no protection, and will flourish in any soil, suc-



Phlox—Drummondii.

ceeding better, however, in deep, rich, rather moist ground.

Phlox Perennial.—Finest mixed. Pkt., 10c.

PHLOX DRUMMONDII.

Phlox Drummondii is one of the very finest of annual plants, and stands almost unrivaled for profusion of color. The seeds can be planted in open ground in autumn or spring, or plants may be started in a hot-bed and transplanted. Give good, rich ground, and set plants six inches apart each way. Hardy annual; one foot high.

Phlox Drummondii, Large Flowering.—Fine mixed. Pkt., 5c.

Star.—Mixed. Pkt., 5c.

PORTULACA.

Beautiful and popular hardy annuals of the easiest culture, luxuriating in an exposed, sunny situation, and producing throughout the summer their flowers of almost every hue in the greatest profusion. The double *Portulaca* is one of the finest annuals in cultivation. Six inches high.

Single Fine Mixed.—Pkt., 5c.

Grandiflora Flore Pleno.—Fine double mixed. Pkt., 10c.

PINK (Dianthus).

This magnificent tribe is one of the most satisfactory that can be raised from seed. *Dianthus Chinensis* and varieties known as Indian Pinks, perhaps one of the most beautiful classes of plants existing. *Dianthus Heddwigii* and *Diadematus* are splendid sorts, with flowers averaging three inches in diameter and of the most brilliant colors.

Dianthus Chinensis.—(China or Indian Pink).—Finest double mixed. Pkt., 5c.

Dianthus Heddwigii.—Very beautiful mixed colors; hardy annual. Pkt., 5c.

Plumarius (Pheasant's Eye).—A beautiful, single, hardy pink, with fringed edged white flowers, with a dark center. Pkt., 5c.



German Stocks.

STOCKS (Gilliflower).

To have them bloom early, start in hot-bed and transplant when small into pots, and turn out in June to open border. They will blossom late in the season if planted in open ground. Hardy annual; one foot high.

Stocks, German.—Ten weeks. Very fine mixed. Pkt., 10c.

SUNFLOWER, FANCY (*Helianthus*).

Californica.—Extra large and very double. Pkt., 5c.

Globosus Fistulosus.—Flowers immense, from 12 to 15 inches in diameter, globular and extremely double, the most effective of all annual sunflowers. Pkt., 5c; oz., 15c.

Silver-Leaved.—(*Argophyllus*).—The whole plant, which grows to six feet in height, is covered with a silky, silver-white felt; flowers are single, with jet black center. Pkt., 5c.

SWEET WILLIAM.

For display in the garden, Sweet William is unsurpassed. The seed can be planted very early in the spring in open ground, and will blossom the following autumn, or it can be sown in August and will make fine blooming plants for spring. The plants will bloom several years, but young plants bloom better, and seeds should be sown every year. Hardy perennial; one and a half feet high.

Double Mixed.—Pkt., 5c.

Single Mixed.—Pkt., 5c.

VERBENA.

Flowers well from seed sown in spring. If started in the house in pots in winter they will be in bloom early, but if sown in open ground in May they will bloom in August. Each plant will require a space of four feet. Tender perennial trailer; one foot high.

Hybrid.—Extra choice, mixed. Pkt., 5c.

Auricula Flora.—Various shades, all with distinct eye of white or rose. Pkt., 10c.



Verbena Hybrids.

Italian.—Striped and variegated; splendid, mixed. Pkt., 10c.

VIOLET (Viola).

Violets do well in any good, well enriched soil. The best results, however, are obtained from soil prepared from sod taken from a heavy sandy loam, that is well drained. The flowers grown from seed are smaller, and more delicately colored, but just as fragrant as the named sorts.

Pure White.—Pkt., 10c.

Blue.—Very fine. Pkt., 10c.

Sweet Scented English.—Pkt., 10c.

VIRGINIA STOCK (*Hesperus*).

Extremely beautiful, free-flowering little plants for beds, baskets or edgings, growing freely in any soil. Hardy annuals.

Hesperus Matronalis.—Dame's Violet, rocket. Pkt., 5c.

Hesperus Candidissima.—Dame's Violet, White. Pkt., 5c.

WALLFLOWER.

A well-known plant, much esteemed for its fragrance. Sow seed early in hot-bed, and when the plants are small put them out in pots and sink the pots in the earth. On approach of cold weather remove the pots to the house, and they will bloom all winter. Tender perennial. Eighteen inches high.

Double, Mixed.—Pkt., 10c.

Single, Mixed.—Pkt., 5c.

WILD CUCUMBER (*Echinochystis Lobata*).

This wild cucumber is a native of Colorado, and is without doubt the best and hardiest wild cucumber known. Very remarkable for the luxuriance and rapidity of its growth. Hardy perennial; ten to twenty feet high. Pkt., 5c.

WATER LILY (*Nymphaea*).

Hardy, aquatic plants, bearing exceedingly beautiful, fragrant white blossoms, which appear as if floating on the water. They are much admired, and are becoming more popular every year.

Nymphaea Odorata.—White, fragrant. Pkt., 10c.

Nymphaea Lutea.—The Yellow Water Lily. Pkt., 10c.

WILD FLOWER GARDEN MIXTURE.

These mixed flower seeds embrace more than a hundred varieties of such easy growing and pretty flowers as are suitable for forming a wild flower garden, and on any untidy bare spots of ground which are so frequently unsightly and which, if properly cared for and kept free from weeds, can be made to produce a continual display of bloom during the summer. Pkt., 5c; ½ oz., 15c; oz., 25c.

ZINNIA ELEGANS (Youth and Old Age).

A very showy plant with large double flowers, which, when fully expanded, form hemispherical heads, become densely imbricated, and might easily be mistaken for dwarf Dahlias. The colors run through all the shades of carmine, lilac, scarlet, purple, crimson, yellow, to pure white. Sow the seed early in the spring, in open ground, and transplant to one and one-half feet apart, in good rich soil. Half hardy annual; one and one-half feet high.

Double, Mixed.—Saved from selected flowers. Pkt., 5c.

Striped.—Double, Mixed. Pkt., 10c.

DAHLIAS.

The finest of Wilmore's celebrated strains. The height given is approximate.

A. D. Livoni.—Rich pink; finely formed; a very handsome flower; four feet.

Arachne.—A fine new cactus variety with long petals; pure white, with a band of scarlet on the edge of each petal; four feet.

Bon Ton.—A fine ball-shaped flower of a deep garnet red; sometimes tipped and streaked with white; five feet.



Zinnia Elegans.

Dr. Gates.—This new cactus is a lovely shade of shell pink, shading to bluish at the base of the petals. Unlike so many of the cactus varieties, this one has a fine stem, holding its flowers well above the foliage; five feet.

Frank Smith.—Rich dark maroon; generally tipped with pure white, shaded into pink; five feet.

Glori De Lyon.—Pure white; the largest white dahlia in cultivation; almost round as a ball; three feet.

Golden Treasure.—A beautiful burnt orange color; flower large, well formed and full to the center; three feet.

John Lamont.—Maroon shaded black, rounded and full; three feet.

Kaiser Wilhelm.—One of the grandest flowers in cultivation; of immense size and perfect form; deep yellow, tipped and shaded with cherry red; four feet.

Lady Mildmay.—White ground shaded to pale lilac; very large and full; a free bloomer; four feet.

Miss Dodd.—Purest yellow; of exquisite form and color; four feet.

Mrs. Hartong.—Very large and exquisite form; color, light fawn suffused with pink; five feet.

Mrs. Barnes (Cactus).—A beautiful primrose color; flower well formed and a free bloomer; three feet.

Matchless.—Another Grand Cactus Dahlia; petals long and even; dark maroon; three feet.

Ouray.—Deep blood red; flower very large and rather loosely constructed; stems very long; five feet.

Purple Gem.—Rich royal purple, clear and constant; four feet.

Wm. Agnew (Decorative).—Deep crimson; flower very large; good stem and form; four feet.

Prices Strong roots, 15c each; \$1.50 per doz.

Note.—The above set of 17 superb dahlias to one address for \$2.00, prepaid.

NOVELTIES.

Each of the six varieties listed below are strictly up to date and cannot fail to give satisfaction.

Countess of Lonsdale.—Cactus of perfect form; color, an exquisite shade of rich salmon with just a suspicion of apricot at the base of the petals. Towards the tips the color deepens gradually to the softest carmine pink; three feet. 20c each; \$2.00 per doz.

Cora Gilbert.—In form a perfect model, rounded and full, with a high center, petals beautifully quilled; color, creamy pink beautifully shaded; stems very long; four feet. Strong, 35c each; \$4.00 per doz.

Grand Duke Alexis.—A magnificent dahlia of the largest size; its petals are beautifully quilled; giving it a very unique appearance; its color is pure white, if slightly shaded, but over-spread with delicate lavender when grown in bright sunlight; five feet. 20c each; \$2.00 per doz.

Ingeborg Egeland.—This grand cactus dahlia, introduced in 1903, is easily the leader of all the scarlet shades; flowers are of immense size, clear in color and borne in profusion. The bright green foliage, combined with the deep scarlet bloom, presents a picture of wonderful richness; three feet. 50c each; \$5.00 per doz.

Mrs. M. Leslie.—In some respects this resembles Ingeborg Egeland, only the plant is of a more spreading habit and the flower a little more compact; flowers are large and of a deep glowing red; three feet. 25c each; \$2.50 per doz.

Mrs. Winters.—Undoubtedly the best of all white dahlias; flowers are extra large and of a pure waxy white; a general favorite; three feet. 25c each; \$2.50 per dozen; prepaid.

PAEONY.

Golden Center.—This is not a large pæony, but is a very good one; pure white, pale yellow center. 30c each.

FLOWER BULBS FOR SPRING PLANTING.

	Each.	Per doz.
Gladioli, mixed colors.....	\$.05	\$0.40
Cannas, unnamed .....	.15	1.50
Tuberose .....	.05	.40
Madeira Vines .....	.05	.35
Caladium Esculentum .....	.20	2.25
Dahlia, mixed colors.....	.10	1.50
Lilium Auratum .....	.15	1.50
Pæonia, red, white and crimson..	.15	1.50
Tuberous Begonias, single, mixed	.15	1.50
(Tuberous Begonias; double, mixed	.15	1.50
Amaryllis Formosissima .....	.15	1.50
Funkia, or Day Lily.....	.15	1.50
Bleeding Heart .....	.20	2.25

CLOVER SEEDS.

Prices Given Subject to Market Changes.

Add postage at the rate of 8c per lb.

Special Prices in Larger Quantities. Write for Quotations.

Alsike, or Swedish.—(Trifolium Hybridum).—The most hardy of all clovers; perennial. On rich, moist soils it yields an enormous quantity of hay or pasturage, but its greatest value is for sowing with other clovers and grasses, as it forms a thick bottom and greatly increases the yield of hay; cattle prefer it to any other forage. lb, 20c.

Scarlet Clover.—(Trifolium Incarnatum).—An annual, with crimson flowers. Sown late in the summer, it furnishes an early green fodder the following season. Twenty lbs to an acre. lb, 20c.

Large-Red, or Pea-Vine Clover.—(Trifolium Pratense).—The English Cow Grass; for plowing under. Ten lbs to the acre. lb, 20c.

Medium Red Clover.—(Trifolium Pratense).—Is a perennial, but of very few years' duration; is nutritious and palatable for cattle, sheep and horses. 10 lbs to the acre. lb, 20c.

White Clover.—(Trifolium Repens).—Valuable for lawns and pastures. lb, 25c.

Esparsette or Onobrychis Sativa.—(Sainfoin, French; Esparsette, German).—A perennial leguminous plant belonging to the same family as Lucerne or Alfalfa. Requires a calcareous soil. Twenty-eight lbs to the acre. lb, 20c.

Alfalfa or Lucerne.—It is the most valuable forage plant for our Western country, thriving best on a sandy loam, which cannot be too rich. On a heavy compact clay soil, it does not do so well. It yields largely, two to three cuttings to be had annually. Even with this immense yield it does not impoverish the soil. With its leguminous stems, and long tap roots, it carries the oxygen from the air into the soil, and with the decay of its long roots it is really one of the best fertilizers known. Sow early in the spring, so as to secure the advantage of any spring rains, although it can be sown any time during the summer; where moisture can be obtained, up to September. Twenty lbs per acre is the usual amount sown.

FLOWER BULBS FOR FALL PLANTING.

(Postage 10c doz. extra.)

	Each.	Per doz.
Calla, white	\$0.15	\$1.25
Roman Hyacinth, white.....	.05	.50
Single Hyacinth, mixed colors...	.10	.60
Double Hyacinth, mixed colors...	.10	.60
Single Tulips, mixed colors.....	.05	.25
Double Tulips, mixed colors.....	.05	.25
Crocus, mixed colors.....	.02	.15
Lily of the Valley.....	.05	.35
Bermuda Easter Lily.....	.20	2.00
Chinese Sacred Lily.....	.10	1.00
Narcissus .....	.05	.40
Freesia .....	.05	.40
Oxalis .....	.03	.20
Snowdrops, single .....	.02	.20
Snowdrops, double .....	.03	.30

A WORD ABOUT LAWNS, AND SUITABLE GRASSES FOR THEM.

Nothing increases the value, and the beauty of a home so much as a beautiful carpet-like lawn, and in order to assist those of our friends who contemplate making a lawn, will say that we keep only the very best tested and purest seed obtainable. Our prices will always be the lowest at which stocks of high germinating quality and purity test can be supplied. Prices are subject to change at any time without notice.

Cheesman Park Lawn Mixture.—If you want a beautiful carpet-like lawn, permanent, and free from weeds, we offer you the above mixture of carefully selected stocks which will grow from early spring till frost comes. We have given the subject much attention of late, and believe in our Cheesman Park Mixture, we have the best grasses possible to make a fine carpet-like lawn. Seed should be planted in early spring or fall, always bearing in mind that the plants should be given plenty of time to establish themselves before the dry season, or the early frosts set in. Use the mower freely, and where possible roll often. Sow at the rate of 60 to 100 pounds to the acre. Price, per lb, 30c; 5 lbs, \$1.40; 10 lbs, \$2.60; 20 lbs, \$4.80.

Kentucky Blue Grass.—Extra Fancy.—"Poa Pratensis." Many prefer this grass alone to a mixture. The fact cannot be denied that a lawn of Blue Grass only, is magnificent. It takes longer to establish, requires the closest attention, or it soon dries out. Do not buy cheap seed, as it will only cause disappointment, it is being sold in this market, largely adulterated with Canada Blue Grass (*Poa Compressa*) which can only be detected in the seed with the microscope, or in testing by germination. For good results buy only the best seed—we have it. Price, per lb, 25c; 3 lbs, 70c; 6 lbs, \$1.35; 10 lbs, \$2.00.

Perennial Rye Grass.—"Lolium Perenne." Makes a fine lawn and does not require the close attention that Blue Grass does. It will flourish under trees and in shady locations. Well adapted for sowing on the parking now so much used in our street system, as it is a hardy grass, and stands trampling well. Price, 15c per lb.

LAWN FERTILIZERS.

Lawn Reviver.—The best for lawns, home made, contains all the essentials necessary to increase the growth of grass, with only a minimum amount of potash, is not liable to burn the grass if used too freely. Free from weed seeds. Price, \$2.00 per 100-lb bag.

GRASS SEEDS.

Add postage at the rate of 8c per lb.

Timothy.—(*Phleum Pratense*).—A grass so well known it needs no description, except that, for a hay crop on moist or peaty soil it will produce a larger crop than any other sort. It is not so well suited for light, sandy soils. 12 lbs per acre; lb, 10c.

Fancy Heavy Red-Top Grass.—(Absolutely clean and free from chaff).—Sow about fifteen pounds to the acre. lb, 15c.

Orchard Grass.—(*Dactylis Glomerata*).—No farmer should be without a small field of Orchard Grass, as in many respects it is superior to all other grasses. It stands the drought, grows well in the shade, does well in wet or poor ground, and is splendid to prevent worn-out fields from washing. This grass furnishes excellent pasturage three weeks before any other, and after close grazing, ten days' rest is sufficient to produce another growth. Cows fed on this will give more rich milk than when fed on blue grass. Sow 25 to 30 lbs to the acre. lb, 20c.

Italian Rye Grass.—(*Lolium Italicum*).—One of the most valuable grasses in Europe, being equally suited to all climates. In England it is considered the best known grass to cut green for soiling, affording repeated large and nutritive crops. Thirty lbs to the acre. lb, 15c.

Kentucky Blue Grass.—(*Poa Pratensis*).—Sometimes called "Green Meadow Grass," "June Grass," etc., but should not be confounded with the "True June or Wire Grass," which is much inferior. A valuable grass for pastures, being one of the hardiest and most nutritious of all grasses. In conjunction with white clover, it makes a handsome lawn; for this purpose use not less than fifty-four pounds of blue grass to six pounds of white clover per acre. If sown by itself for pasturage about twenty-eight pounds will be required per acre. lb, 25c.

Meadow Fescue, or English Blue Grass.—(*Festuca Pratensis*).—A highly valuable species for permanent grass land. It does not, however, attain to its full productive power until the second or third year, when it far exceeds most other sorts in quantity of its produce and nutritive matter. It is relished by live stock, both in hay and pasture, and is one of the most desirable permanent grasses for general culture. Twenty lbs to the acre. lb, 15c.

English Rye Grass.—(*Lolium Perenne*).—Is the staple grass of Great Britain, entering largely into the composition of many of the richest meadows and pastures. Its natural adaptation to almost all cultivated soils, and its early maturity, cause it to be extensively cultivated in preference to many other equally nutritious sorts. Thirty lbs to the acre. lb, 15c.

Brome Grass.—(*Bromus Inermis*).—The sowing of this grass is no longer an experiment. It has proven to be all that was said for it, when introduced some years ago. It yields enormous crops of splendid hay, affords early and abundant pasturage. The importance and value of this grass to Colorado is not to be estimated. It is a thorough success. It adapts itself to almost every soil and climate, equal in quality and yield to almost any other grass. lb, 15c.

MILLET.

Add postage at the rate of 8c per lb.

Manitoba or Hog.—The seed is used principally for hog food. Chickens eat it readily. The seed ripens first, and if cut at the proper time the hay can be used for fodder. lb, 10c.

German or Golden.—Will grow in any climate or soil, and when properly grown and handled makes an enormous yield of most nutritious feed. The seed should be sown thickly, at any time during May and June. For feeding purposes cut the crop while it is in bloom, before the seed hardens in the head. Sow 35 to 40 lbs per acre. lb, 10c.

Common Millet.—Is an annual grass, and its luxuriant leaves are much relished by all kinds of stock. It makes a very good hay. Sow from 35 to 40 lbs to the acre. (Fifty lbs per bushel.) lb, 10c.

Hungarian Millet.—Is of fine growth and makes an excellent hay; eaten by all kinds of stock. Sow 35 to 40 lbs to the acre. (Forty-eight lbs per bushel.) lb, 10c.

New Siberian, or Russian Millet.—A most satisfactory forage plant, with all the merits of the older sorts, but is far superior; is from two to three weeks earlier than German Millet, a much heavier cropper, hay much finer, stalks more elastic, and being of a stooling habit, requires less seed to the acre. lb, 10c.

MISCELLANEOUS SEEDS.

Add postage at the rate of 8c per lb.

Sunflower, Large Russian.—This variety has large heads, borne at the top of a single unbranched stem and having much more and larger seed than the common sort. It is used extensively for feeding poultry. Sow the seed as soon as the ground is fit for planting corn, in rows five feet apart and ten inches apart in the row. Cultivate same as corn. lb, 10c.

Broom Corn, Improved Evergreen.—Best variety for general cultivation, on account of color and quality of brush; ripens very early, grows about eight to ten feet high; brush of good length, fine and straight and always of green appearance when ripe. lb, 10c.

PEANUTS, Virginia Improved.—A very profitable variety to grow, and is easily cultivated; very erect stem; largest pods and kernels, with fewer imperfect pods than any other variety. The vines make valuable forage for stock. lb, 15c.

POP CORN, White Rice or Pearl.—10c lb; 3 lb, 25c.

Write for prices on larger quantities.

BUCKWHEAT.

Add postage at the rate of 8c per lb.

Common.—Buckwheat should be sown about the 20th of June, broadcast, at the rate of twenty-five to forty pounds per acre. It should be threshed as soon as dry, on the ground or barn floor. If allowed to stand in mass it quickly gathers moisture. (52 lbs per bushel.) lb, 10c.

Silver Hull.—This improved variety is much better than the old sort. It is in bloom longer, matures earlier, and yields double the quantity per acre. The husk is thinner, the corners less prominent, and the grain of a beautiful light gray color. The flour is said to be better and more nutritious. (52 lbs per bushel.) lb, 10c.

Dwarf Essex Rape.—The true Dwarf Essex Rape is valuable as a fattening food for pastur-

ing sheep in autumn. It is particularly adapted as a "catch crop," for it grows best late in the season. lb, 10c.

BARLEY.

Add postage at the rate of 8c per lb.

Scotch.—A standard bearded barley. It is an early six-rowed variety with very strong straw, bearing long, well filled heads of plump grain. It will yield from forty to seventy bushels per acre, usually double that of ordinary sorts. The grain is of choice grade and much sought after by malsters. lb, 5c.

Naked, Beardless, or Hulless.—This is decidedly distinct from the malting variety, having no beard and shelling off its hull same as wheat, in fact, some have mistaken the grain for wheat. It is best of all barleys for feeding and is rapidly taking the place of spring rye. Grows very rank and vigorously, and thrives even at altitudes of 8,000 to 9,000 feet. lb, 5c.

FLAX SEED.—Can be grown anywhere that wheat flourishes and brings better returns. Thirty to forty pounds will sow an acre. We have choice, clean seed. lb, 10c; 3 lbs, 25c. Market price for large quantities.

RYE.

Add postage at the rate of 8c per lb.

Spring Rye.—Grows very quickly. Please note that in offering Spring Rye we offer what is furnished us as spring rye, but make no guarantee for same. lb, 5c.

Fall or Winter.—This is the sure crop for dry ranches. lb, 5c.

FODDER CORN.

Add postage at the rate of 8c per lb.

Kaffir Corn.—One of the best forage plants. If the crop is wanted for fodder, cut down the whole stalk when the first seed-heads come into bloom. Sow in rows three feet apart, three to five pounds to the acre. lb, 10c.

Jerusalem Corn.—It belongs to the non-saccharine sorghums, grows about three feet high, makes one large head on main stalk, and several smaller heads on side shoots, often as many as eight heads on one stalk. The grain is pure white and nearly flat. It is a sure crop for dry sections. Three pounds of seed will plant an acre. lb, 10c.

Yellow Milo Maize.—Grows tall, nine to twelve feet, stooling from the ground like the White Milo Maize, but not as much. It sends out shoots from the joints. This grain should be planted in four or five-foot rows, two to three feet in the drill, according to the quality of the land, two plants in a hill, three to five feet apart. lb, 10c.

Large African Millet, or White Milo Maize.—A variety of sorghum, non-saccharine, growing stalks eight to ten feet high and yielding heads to eight, ten to fifteen inches long, weighing six ounces when fully ripe. It bears dry weather, and makes a crop where corn would fail. Plant early in April, in three-foot rows, leaving one or two plants to every twelve inches in the row, cultivate as corn. Three to five pounds to the acre. lb, 10c.

Sugar Cane, Early Amber.—Its early maturity adapts it to nearly all sections. It has given entire satisfaction as a profitable crop for fodder as well as for sugar making. It grows eleven to twelve feet high, and stands well. If planted the first week in May the seed almost invariably ripens, thus giving a double crop each year, yielding twenty to thirty bushels of seed and 140 to 175 gallons of syrup to the acre. **lb, 10c.**

RUSSIAN SPELTZ.

One of the most promising feeding grains for the West that has been brought to our notice since the introduction of Kaffir Corn. It is not a new grain by any means; in Russia it has been in cultivation for ages and is one of the standard cereals. The plant resembles barley in appearance and growth, but the heads and grains are considerably larger. When threshed the grain resembles barley, and when the husks are removed it is similar to rye. **lb, 10c.**

MACARONI, OR DURUM SPRING WHEAT.

It is not only true that Macaroni Wheat can be grown in dry districts, but it must be grown there in order to produce the best quality of grain. Seeded April 26th, it was ripe, cut, threshed and in the granary August 6th. The shorter the period required for a wheat to grow, the more valuable it will be to a locality subject to summer droughts and hot winds. This wheat gives the best results on new land. Sow at the rate of 78 lbs per acre. **lb, 10c.**

SEED POTATOES.

Add postage at the rate of 8c per lb.

Early Ohio.—This old favorite is still the leading early potato. We have used great care in selecting our stock, to have it pure and genuine.

Early Six Weeks.—Supposed to be an improvement on the Early Ohio; it is larger and more oblong, cooks mealy, and one of the best table varieties known. **lb, 5c.**

Rose Seedlings.—The famous red potato grown in the Greeley section; for keeping qualities it is unsurpassed. **lb, 5c.**

Greeley Whites.—A large late variety, yields abundantly; next to Rose Seedling it is the most saleable variety we have. **lb, 5c.** Write us for market prices on quantities.

SPRING WHEAT.

We carry in stock in season such varieties as Defiance, Blounts No. 10, Ruby or No. 16. Sonora. Winter varieties: Red Cross, White Clawson, Turkey Red, Silver King. Prices on application.

SEED OATS.

Such varieties as Clydesdale, Welcome, Nebraska grown White Russian, Lincoln and Red Rust Proof. Write for prices.

FIELD PEAS.

San Luis and Blue Canada.—For dairy cows and for hogs they are equal to corn, and are six weeks earlier. Sow early in April, two bushels to the acre. The peas should be sown and plowed under to a depth of about four inches. They will be ready to cut in July. As a fertilizer they are second only to clover, and will grow on land that will not produce good clover.

PLANTS.

STRAWBERRY.

(By Express or Mail only.)

Jucunda, or Captain Jacks.—Per 100, 40c; per 1,000, \$3.00.

Bismarck, Glen Mary, or Clyde.—Per 100, 55c; per 1,000, \$4.50.

West Seedling, Nick Ohmer, or Bederwood.—Per 100, 60c; per 1,000, \$5.00.

Prices do not include prepayment by mail. If wanted by mail add 6c per doz.; 12c for 50; 20c for 100.

Cabbage.—Winningstadt.—Early Summer. Danish Ball Head, or Hollander. Per 100, 50c; per 1,000, \$4.00.

Cauliflower.—Extra Early Erfurt. Early Snowball. Per 100, \$1.00; per 1,000, \$7.50.

Celery.—Golden Self Blanching. Giant Pas-cal. White Plume. Per 100, 40c; per 1,000, \$3.00.

Egg Plant.—New York Improved, round purple. Per 100, \$2.00.

Pepper.—Sweet Spanish. Large Bell. Ruby King. Long Cayenne. Per 100, \$1.00; per 1,000, \$7.50.

Tomato.—Livingston's Beauty, Acme, Perfection, Magnus. Per 100, 50c; per 1,000, \$4.50.

Sweet Potato.—Yellow Nansemond, Yellow Jersey. Per 100, 40c; per 1,000, \$3.00.

The following are sent by Express only:

Asparagus Roots, per 100, \$1.00.

Horse Radish Roots, 2 to 3-inch lengths, 10c per lb.

Chives Plants, per clump, 15c.

Rhubarb Roots, per doz., 50c. Tarragon Plants (Estragon), per clump, 30c.

Artichoke roots at market price.

FERTILIZERS.

Gardener's Favorite.—For the garden and farm. This fertilizer will prove to be unequalled, containing all of the best ingredients combined with the proper amount of potash. Price, \$2.00 per cwt.

Lawn Reviver.—This is the best fertilizer for the lawn, containing all of the essential qualities of the above, but with only a minimum amount of potash, therefore not as liable to burn the grass if scattered too thick.

Price, \$2.00 per cwt.

USEFUL TABLES

Quantity of Seed Required for a Given Number of Hills.

	Hills.
Pole Beans	2 lbs. to 50
Corn	1 lb. to 300
Cucumbers	1 oz. to 50
Watermelons	1 oz. to 30
Muskmelons	1 oz. to 60
Pumpkins	1 oz. to 20
Squash	1 oz. to 30
Okra	1 oz. to 100

Quantity of Seed Required for a Given Length of Drill.

	Feet of Drill.
Asparagus	1 oz. 50
Beet	1 oz. 60
Beans—dwarf	1 lb 60
Carrot	1 oz. 150
Endive	1 oz. 100
Okra	1 oz. 40
Onions	1 oz. 50
Onion sets	1 oz. 20
Parsley	1 oz. 125
Parsnips	1 oz. 150
Peas	1 lb 50
Radishes	1 oz. 100
Salsify	1 oz. 60
Spinach	1 oz. 100
Turnip	1 oz. 150

Table Showing the Number of Plants or Trees to the Acre at Given Distance.

Dist. apart.	No. Trees.	Dist. apart.	No. Trees.
1 foot.....	43,500	9 feet.....	537
1½ feet.....	19,360	12 feet.....	302
2 feet.....	10,890	15 feet.....	193
2½ feet.....	6,960	18 feet.....	134
3 feet.....	4,840	21 feet.....	98
4 feet.....	2,632	24 feet.....	75
5 feet.....	1,740	27 feet.....	59
6 feet.....	1,210	38 feet.....	40

Quantity of Seed Required for a Given Number of Plants.

	Plants.
Asparagus	1 oz. 300
Cabbage	1 oz. 2,000
Cauliflower	1 oz. 2,000
Celery	1 oz. 2,500
Leek	1 oz. 1,500
Endive	1 oz. 3,000
Egg Plant	1 oz. 1,000
Lettuce	1 oz. 3,000
Pepper	1 oz. 1,000
Tomato	1 oz. 1,300
Thyme	1 oz. 4,000
Sage	1 oz. 1,000
Savory	1 oz. 2,000
Marjoram	1 oz. 1,500
Rhubarb	1 oz. 500

Weights per Bushel and Amounts of Seed Sown to the Acre.

	Lbs. per bu.	No. Lbs. to Acre.
Alfalfa Clover	60	20 to 30
Red Clover	60	12 to 15
White Clover	60	6 to 8
Alsike Clover	60	6 to 8
Timothy	45	10 to 15
Blue Grass	14	30 to 40
Red Top	14	20 to 30
Mixed Grasses	14	30 to 40
English Rye Grass.....	20	15 to 25
Oats	32	32 to 64
Barley	48	60 to 90
Corn	56	8 to 12
Orchard Grass	14	20 to 30
Hungarian	48	25 to 35
Common Millet	50	25 to 40
German Millet	50	25 to 40
Hemp	44	35 to 55
Flax	56	30 to 40
Buckwheat	52	26 to 52
Rye	56	60 to 90
Wheat	60	60 to 90
Sugar Cane for Fodder.....	50	50 to 100
Peas, Field	60	90 to 120
Top Onion Sets.....	28	250 to 300

In Drills.

	No. Lbs. to Acre.
Dwarf Beans	75 to 90
Early Peas	65 to 85
Marrowfat Peas	60 to 80
Beets	6 to 8
Mangel Wurzel	4 to 6
Carrots	2 to 3
Onions	4 to 5
Onions for Sets.....	20 to 30
Onion Sets	300 to 350
Parsnips	4 to 5
Radishes	6 to 8
Rutabagas	1 to 1½
Spinach	8 to 10
Salsify	10 to 12

Maturity Table.

Beans, table use.....	40 to 50 days
Beets, table use.....	50 to 70 days
Cabbages, early, for cutting...	70 to 80 days
Cabbages, late, for cutting.....	100 to 120 days
Carrots, table use.....	60 to 70 days
Celery, table use.....	120 to 140 days
Sweet Corn, table use.....	65 to 80 days
Cucumbers, table use.....	45 to 60 days
Lettuce, table use.....	40 to 50 days
Melons, table use.....	65 to 90 days
Onions, for storage.....	80 to 120 days
Peas, table use.....	50 to 70 days
Radishes, table use.....	25 to 45 days
Tomato, table use.....	90 to 100 days
Turnips, for storage.....	65 to 90 days

INSECTICIDES AND FUNGICIDES

If you would be successful with your orchard or small fruit you must spray frequently. If you neglect this important duty, you do so to the detriment of your crop. All large fruit growers now spray regularly.

Spraying with "Disparene" will kill all leaf and fruit eating insects, such as—

Codling Moth, "both broods,"
Gypsy Moth,
Tent Caterpillar,
Grape Insects,
Rose Bugs,
Canker Worm,
Brown Tail Moth,
Tussock Moth,
Potato Slugs,
Cucumber Beetle, Etc.

This is safer to use than any other arsenical poison, because it shows on the foliage wherever used. It cannot be washed off by rains.

"Disparene" will never scorch, burn nor injure the most delicate foliage. It is no experiment; it has been used for years by practical fruit growers, as well as by Government experts, and experimental stations. Full directions with each package. Price, 5 lbs, \$1.25; 10 lbs, \$2.25; 25 lbs, \$4.75; 100 lbs, \$18.00.

"Pyrox."—For fruit trees, vegetables and flowers. Serve a double purpose. It destroys all insect life and tree pests, at the same time prevents apple scab and blight.

This is perhaps the safest and most practical combination of an insecticide and fungicide ever offered to fruit growers. It is put up in concentrated paste form, in scaled cans, and applied at the rate of 10 lbs to 50 to 60 gallons of water. Explicit directions with each package. 5 lbs, \$1.00; 10 lbs, \$1.75; 25 lbs, \$4.00; 100 lbs, \$15.00.

Bowker's "Insect Emulsion" has made a decided "hit." It has been extensively used by prominent gardeners and fruit growers with the best results. It is a cheap and complete substitute for kerosene emulsion, whale oil soap, and similar preparations, and is the handiest and most generally useful emulsion now on the market. It is invaluable for the greenhouse, and is just as effective when used to destroy plant lice on cherries, peaches, or

other trees. Directions on every package. 1 quart, 50c; 2 quarts, 75c; 1 gallon, \$1.50.

"Potassa Sulphurated Merck."—The only absolute remedy for gooseberry mildew. Is perfectly harmless, non-poisonous and is easily applied. Price, lb, 50c.

Sulpho Tobacco Soap never fails to quickly exterminate all insect life on plants, flowers, shrubs, etc. It is cheap, clean, effective and harmless. A 3-oz. cake makes 1½ gallon of liquid solution; an 8-oz. cake makes 4 gallons of solution. Price, 3-oz. cake, 10c; 8-oz. cake, 20c; by mail for 1c per ounce extra.

Tobakine Fumigating Powder.—A superior powder to tobacco dust, having the ammonia extracted and contains no adulteration. 50-lb sack, \$2.25; 100-lb sack, \$4.00.

Tobacco Stems for Fumigating.—Blue Vitriol quoted on application. Whale Oil Soap for rose bushes, shrubbery, etc. ½ lb, 10c; per lb, 15c; 5 lbs, 50c.

"Chloroleum."—A home made product. A non-poisonous antiseptic. The friend of the farmer, poultry fancier and gardener. Price, per bottle, 25c and 50c; per quart, 75c; ½ gallon, \$1.00; 1 gallon, \$1.50; 5 gallons, per gal., \$1.00, and 50c per gallon in barrel lots.

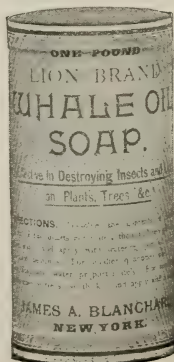
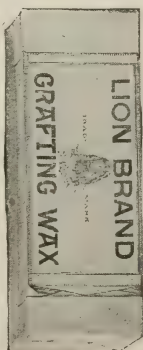
Lime and Sulphur Solution.—The very best remedy for San Jose scale, all ready mixed for use, requires no boiling. This preparation is also a most effective sheep and cattle dip for scab, mange and Texas itch. When used as a spray, use 1 gallon of solution to 12 gallons of clear water; as a dip use 1 gallon of solution to 14 gallons of water. Price, per Bbl., \$12.00; ½ Bbl., \$7.00.

Lion Brand Bordeaux Mixture.—A concentrated liquid, prevents black rot, mildew and rust. Quart can, 50c; gallon, \$1.50.

Tobakine Liquid.—A concentrated solution of nicotine, contains no ammonia. May be used as a spray or vaporized. Cannot be mailed. ½ pt. can, \$1.10; pint, \$2.00.

Pure Paris Green.—Per lb can, 35c.

Lion Brand Kerosene Emulsion for plant lice, cabbage worms, scales or insects on trees. Good for maple tree scale. Add from 25 to 50 parts water before using. Per quart, 50c; gal. can, \$1.50.



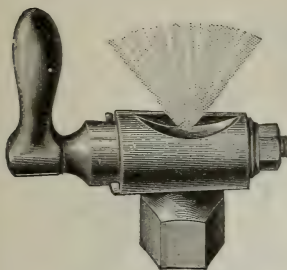


Fig. 1019. BORDEAUX.

THE MYERS O. K. SPRAY PUMP.
For Hot, Cold or Any Kind of Mixture. Has Mechanical Agitator, Solid Brass Ram Plunger, Ground Bevel Valve and Seat.

Fig. 1125 illustrates the Myers O. K. Spray Pump, adapted to be used with an ordinary barrel. One of the special features of this pump is a clamping device, by means of which it is attached to the top of the barrel. This arrangement can be adjusted to suit any barrel, regardless of height or width. The cylinder is known as a ram plunger,

made of solid brass tube with a closed end, which passes through a circular hemp packing, which adapts it for pumping hot, cold or any kind of mixture. The packing gland is adjusted by means of two heavy bolts, with which all wear is readily taken up. The valve and seat are made of brass, ground bevel shape. Another special feature of this pump is that by removing two bolts the valves can be taken out and repaired. The air chamber is made of 2½-inch steel tube. The handle is wrought steel, so as to enable the operator to get up a pressure of 200 pounds or more if necessary. It is fitted for two strings of discharge hose.

PRICE LIST.

No. 307, Myers O. K. Spray Pump, as shown in Fig. 1125 (without barrel), with two leads of ½-inch discharge hose, each 5 feet long, and two Bordeaux nozzles. Price, \$15.00.

Myers Perfect Barrel Spray Pump represented in No. 312, Fig. 654 Comp. except barrel, with 1-inch suction pipe, two leads, ½-inch three-ply discharge hose, each 5 ft. long, two graduating Vermorel nozzles and agitator. This is one of the best barrel pumps ever offered. It is single action in the suction and double action in the discharge or in other words it discharges half the water on the up-stroke and half on the down-stroke of the handle, requires comparatively little power and carries an extra large air chamber. Price, \$12.00.

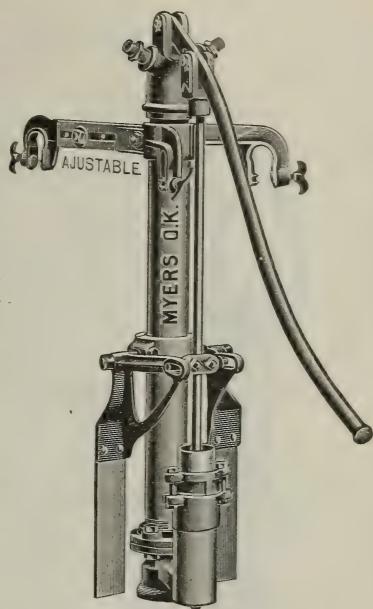
Myers Perfect Barrel Spray Pump represented in No. 312, Fig. 654 Comp. except barrel, with 1-inch suction pipe, two leads, ½-inch three-ply discharge hose, each 5 ft. long, two graduating Vermorel nozzles and agitator. This is one of the best barrel pumps ever offered. It is single action in the suction and double action in the discharge or in other words it discharges half the water on the up-stroke and half on the down-stroke of the handle, requires comparatively little power and carries an extra large air chamber. Price, \$12.00.

MYERS IMPROVED BRASS PUMPS.

No. 324.—Myers Lever Bucket Spray Pump, with agitator, complete with hose and graduating Vermorel fine, coarse spray, and solid stream nozzle. Price, \$5.00.

Fig. 1019 will throw a fine fan-shaped spray and will readily free itself should it become clogged, by turning the cock handle. It will throw a solid stream or may be shut off altogether, as desired. Price, 60c.

Fig. 961 represents the Myers Century Spray Pump. In offering this pump, we do so knowing that it is the best article of this kind manufactured. It is fitted with movable brass body cylinder, concave brass valve seats, and brass poppet valves with ground surface. The valves are all located on the top of the pump and can be easily reached by removing the top cap and air chamber. The piston rod is brass and is supported by a yoke attached direct to the head of the cylinder, which always insures alignment of the pump. It has a steel handle and pressure gauge. It is also fitted with a valve between the air chamber and the pump, which retains the pressure in the air chamber and relieves the valves of the pump from all strain.



No. 307—Fig. 1125.



No. 312—Fig. 654.

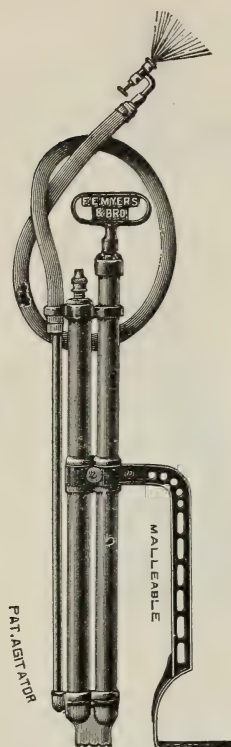


Fig. 632—No. 324.

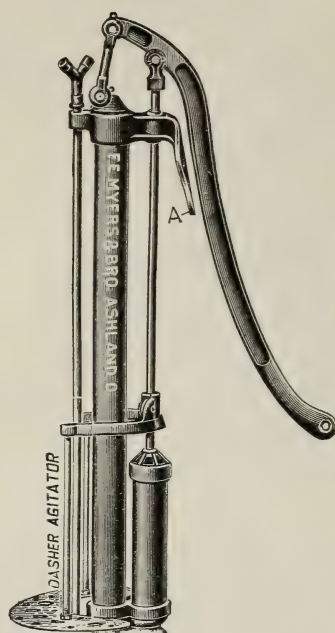


Fig. 765.

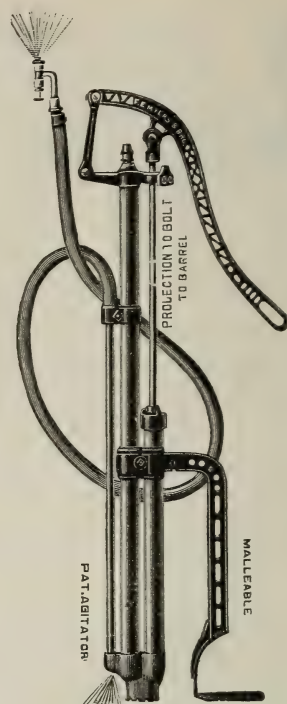


Fig. 640—No. 325.

Fig. 961.—Myers Century Spray Pump, with strainer and pressure gauge fitted complete with 6 feet of wire bound suction hose, two 8-foot pipe extensions, and two Vermorel or Bordeaux nozzles. Price, \$25.00.

Fig. 765.—Myers Improved Barrel Spray Pump, complete with two leads of $\frac{1}{2}$ -inch three-ply discharge hose, each five feet long, two Myers graduating Vermorel nozzles and dasher agitator. Price, \$9.00.

Fig. 640.—Myers Imperial Brass Spray Pump with agitator, complete with hose and graduating Vermorel, fine, coarse spray and solid stream nozzle, malleable foot rest. Price, \$4.00.



Tree Protector.—

Made of veneer. When dampened will bend around the tree. Size, 10x18, \$1.00 per 100; \$7.50 per 1,000; 10x24, \$1.00 per 100; \$9.00 per 1,000.

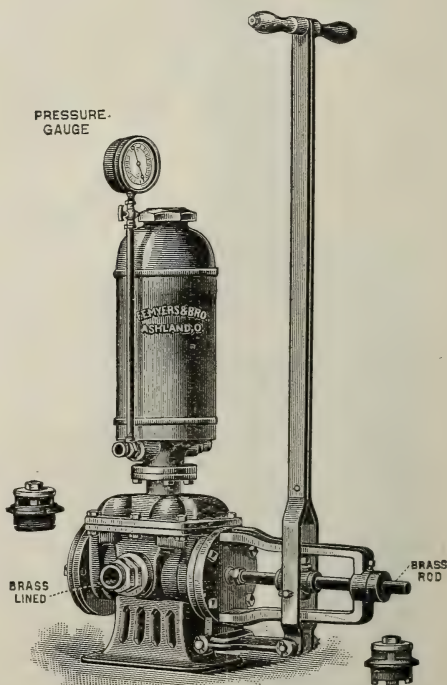
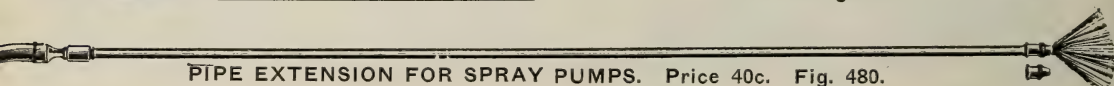
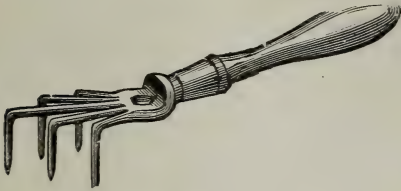


Fig. 961.

PIPE EXTENSION FOR SPRAY PUMPS. Price 40c. Fig. 480.



GARDEN TOOLS, ETC.



Active Weeder. Price, 15c.



Lang's Weeder.
Price, 25c.



Noye's Weeder.
Price, 30c.



Hazeltine Weeder.
Price, 25c.



Garden Trowels.
15c, 20c and 50c.
each.

Asparagus
Knife.
40c each.

Linen Garden Lines, 65c each.



Garden Reel.
Price, 65c.



Vine Pruner.
\$1.00.



Pruners.
No. 1, 26 in., \$1.00.



Dibber.
30c.



Hand Pruners.
50c each.

Dandelion Pullers, 35c.
Magnetic Hammers, 10c.
Berry Box Tacks. 30c per pound.
Hay Knives. Price, \$1.00.



Pole Pruner.
6 ft., 90c.
8 ft., \$1.00.
10 ft., \$1.25.



Clipper Corn Knife.
Price, 50c.

No. 6 "IRON AGE" COMBINED DOUBLE WHEEL HOE, HILL AND DRILL SEEDER.

The simplicity and completeness of the "Iron Age" combined implements in all their forms make their use practical, even with the busiest gardeners.

From Seed Drills these tools can be converted into Wheel Hoes, either Single or Double, it requiring but about three minutes to change to Double Wheel Hoes, and about two minutes to Single Wheel Hoes, by an inexperienced operator.



Price, \$11.00.
Packed Weight,
Fifty
Pounds.
Hill and
Drill Seeder
Only (No. 7).
Price, \$8.00.

The Wheel is made of steel, 16 inches high, to obtain lightness and strength; 16 inches high in order to run easy.

The Frame is made of gas pipe, coupled to maleable castings; of pipe to secure lightness and strength to make it practically unbreakable.

The Seed Sowing Device.—The seed slide and its index adjustment to sow various seeds is similar to that used on our well-known New Model Seed Drill. The agitator is simply a revolving brush of selected bristles, which absolutely will not injure the seed, will wear a long time and can be cheaply replaced. The brush agitator will be found to be peculiarly adapted to feeding out such seeds as beets and tomatoes, in separating the seeds that may be clinging together and acting as a gentle force feed.

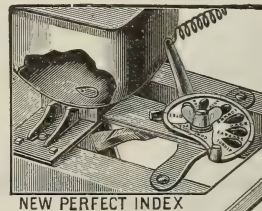
All seeds, such as celery, radish, lettuce, beets, onion, carrot, spinach, etc., running in size to corn, beans, and peas, can be sown with this drill. Besides placing the seeds in drills, our No. 6 will also drop in hills at 4, 6, 8, 12 or 24 inches apart. The tool can be instantly changed to drop from hills to drills, or the reverse.

Sugar Beet and Chicory growers will find this tool to meet every requirement. It will sow the seed accurately and without injury. The arch, being high, will allow the cultivation of these crops until they are well grown. The fact that a large number of these tools are now being used by prominent growers, is the highest recommendation we can give them.

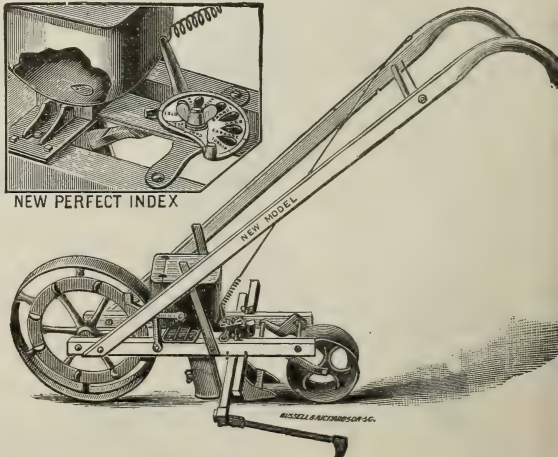
NEW MODEL SEED DRILL.

This is a perfect drill. Have sold them for the past twenty years with entire satisfaction. Each drill is carefully packed, weighs about forty pounds ready to ship. See cut for mechanism of seed distributor in drill.

Price, net, \$7.50.



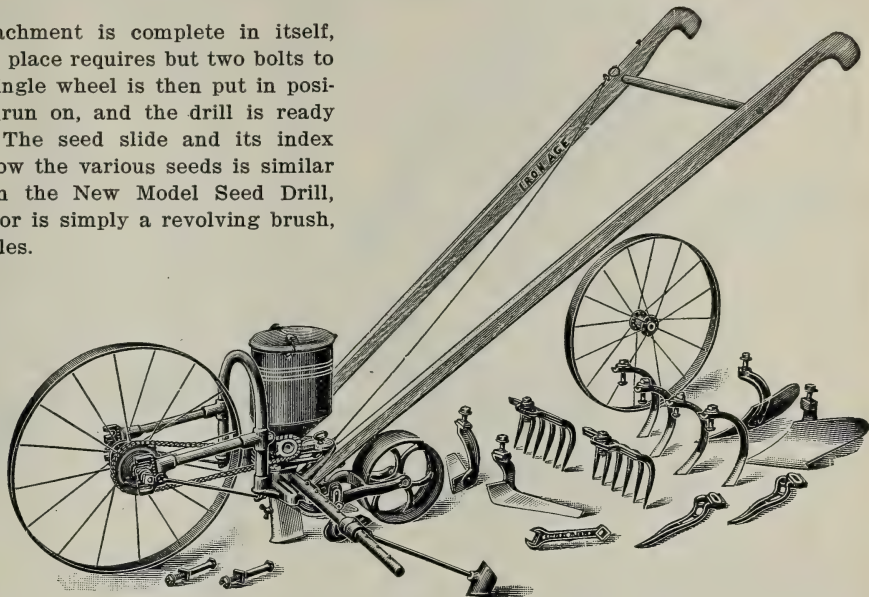
NEW PERFECT INDEX



No. 4 "IRON AGE" COMBINED DOUBLE WHEEL HOE AND DRILL SEEDER.

The drill attachment is complete in itself, and when put in place requires but two bolts to secure it; the single wheel is then put in position, the chain run on, and the drill is ready for operation. The seed slide and its index adjustment to sow the various seeds is similar to that used on the New Model Seed Drill, while the agitator is simply a revolving brush, of selected bristles.

Weight
50 pounds,
Packed.
As a Drill
Seeder Only,
No. 5,
Price, \$7.00.



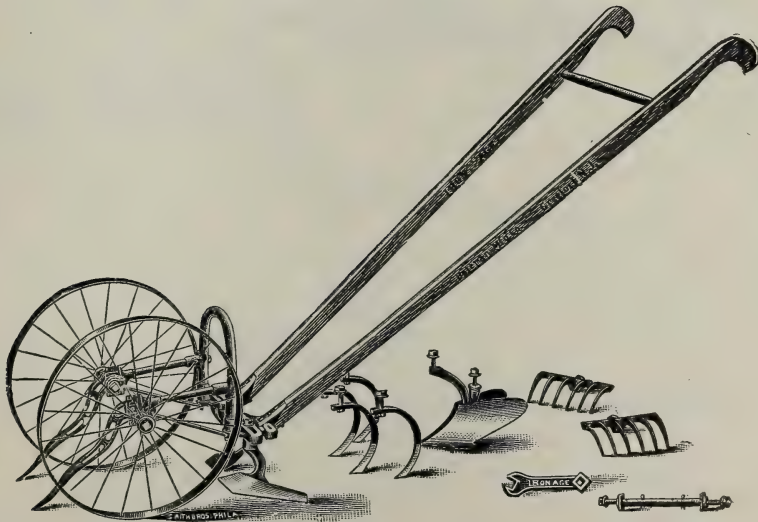
The "Iron Age" Combined Seed Drill and Wheel Hoe. Packed, weight 55 pounds. Price, \$10.

The opening plow is adjustable in depth and is also reversible, one end being wide for onion seed, and the other narrow for placing the seed in a close, straight line.

The Combined Drill includes all the attachments shown on the above cut, and any one buying it possesses the most complete and perfect tool possible.

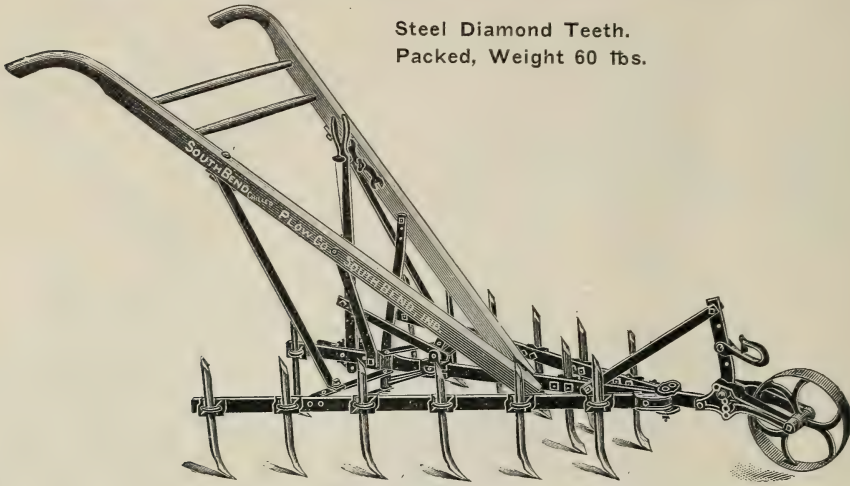
It is a whole tool house of itself. It plows, levels, furrows, sows, covers, rakes, cultivates, hoes and hills, and does each and every operation in the most satisfactory manner.

THE No. 1 "IRON AGE" DOUBLE WHEEL HOE.

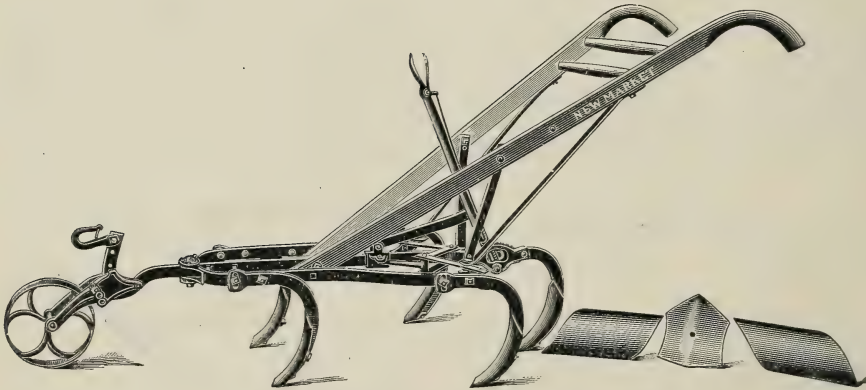


Price, complete.....\$6.50 Price, No. 3 plain (with side hoes only)...\$3.75
Packed Weight, 40 Pounds.

COMBINED HARROW AND CULTIVATOR



Steel Diamond Teeth.
Packed, Weight 60 lbs.



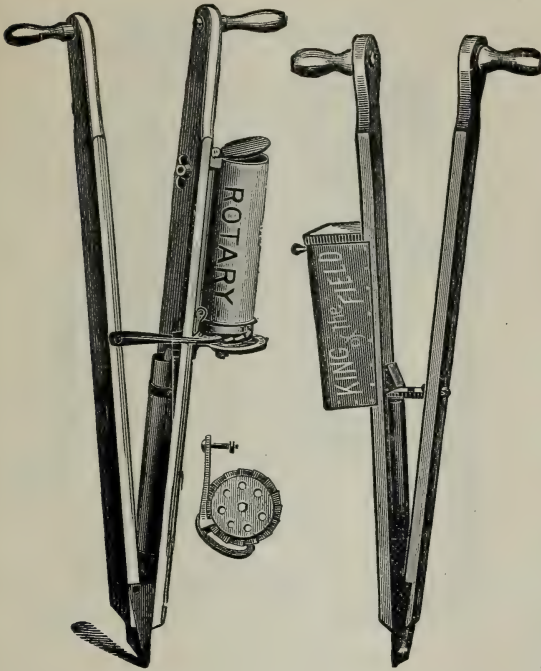
THE COLORADO CULTIVATOR.

5 Tooth, with lever.....	\$4.50	14 Tooth Colorado Harrow, lever.....	\$4.50
5 Tooth, with lever and gauge wheel.....	5.00	14 Tooth Colorado Harrow, lever and	
5 Tooth, with lever, gauge wheel and		gauge wheel	5.00
horse hoe attachment.....	6.00		

BARKER GARDEN WEEDER AND MULCHER

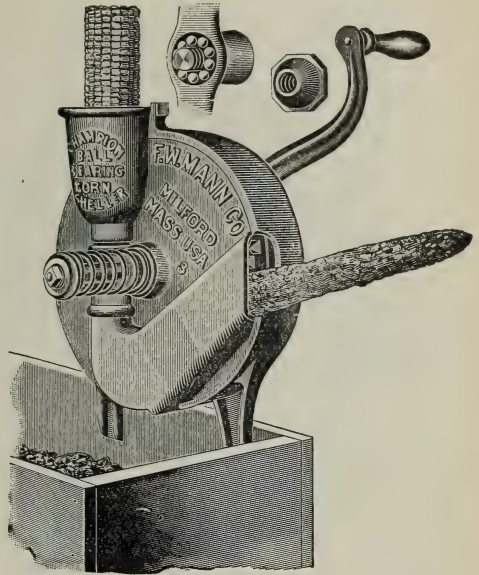
The Barker Garden Weeder and Mulcher operates on the plan of a lawn mower. The rear blade or knife passes beneath the surface of the soil and the revolving blades pass over it, cutting the weeds off, and chopping them up so that they soon dry up and die. It will not

work when the weeds are a foot or two high, but it will work successfully in any garden kept the way a garden should be kept. The tool is 8 inches in width and weighs about 15 pounds. Price, \$4.00.



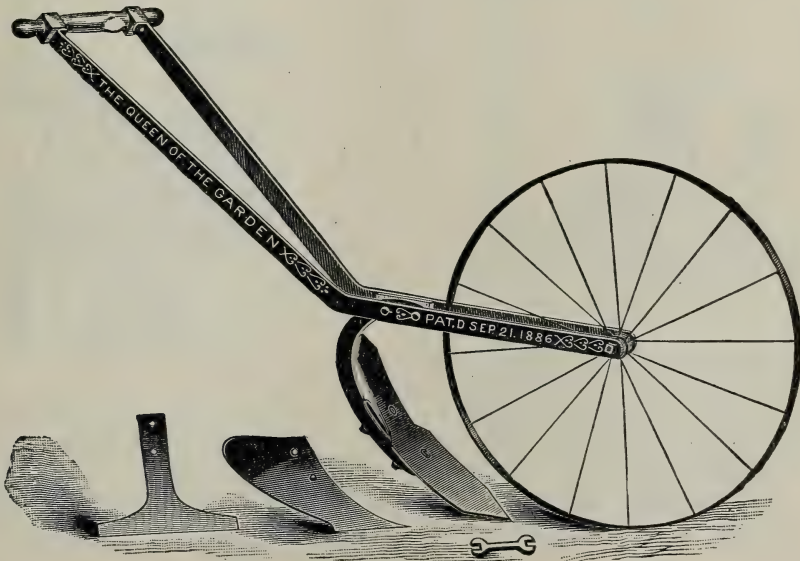
Hand Corn Planters.

Empire Rotary, \$1.00. King of the Field, 75c.



Champion Ball Bearing Corn Sheller.

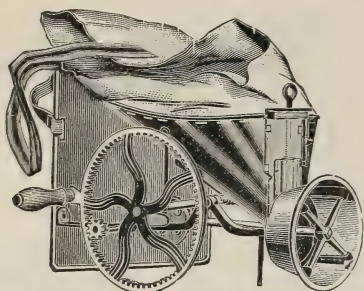
Has no equal; its work is easy, rapid and satisfactory. Its automatic adjustment adapts itself to all sizes of ear, without change or adjustment by the operator. It can be fastened to a box by a single thumb-screw; no bolts or screws required, nor holes to be bored. Weight, 20 lbs. Price, \$2.50.



"QUEEN OF THE GARDEN" CULTIVATOR.

Wheel 24 inches high. Reversible Shovel $2\frac{1}{2}$ and $4\frac{5}{8}$ inches wide. Weeder Blade is $9\frac{1}{2}$ inches wide.

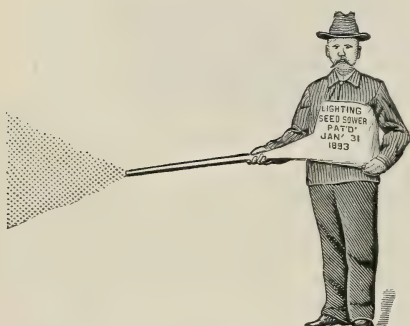
"Queen of the Garden" Cultivator, Plain.....	Price, \$3.50
"Queen of the Garden" Cultivator, with Weeder and Plow.....	4.25



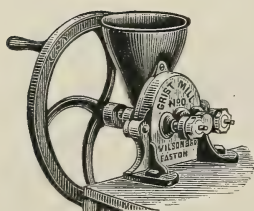
THE CAHOON HAND BROADCAST SEEDER.

For Sowing ANY Grain or Grass Seed.
Is the Guaranteed Standard Seed Sower.

Price, \$3.50.



Price, 75c.



Wilson's Family Grist Mill No. 0.

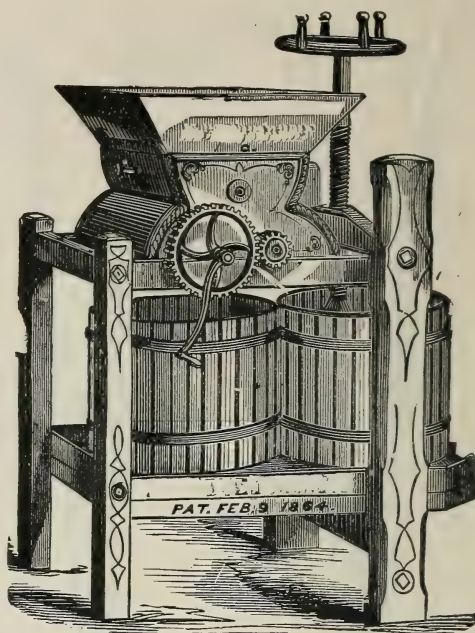
THE FAMILY MILL is especially made for grinding graham flour or corn meal for table use. It can also be adjusted for cracking the grain if desired. Price, \$5.00. Weight, 30 lbs.

CLOVER CUTTERS.

Mann's.

Made entirely of iron and steel. Can not warp or shrink.

It cuts any kind of hay or clover, either dry or green, very rapidly. Every revolution of the balance wheel produces twelve cuts. Price, complete, \$11.00; without iron legs, can easily be fastened to a stand or to a table, \$9.00.

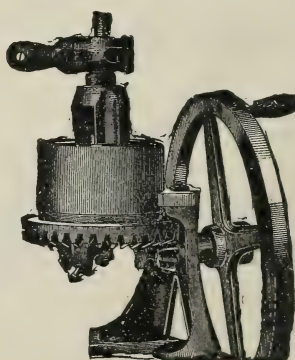


NEW MONITOR CIDER MILL.

Junior, 2 to 3 barrels per day, 145 lbs....\$15.00

Medium, 4 to 5 barrels per day, 225 lbs.. 18.00

Senior, 6 to 7 barrels per day, 340 lbs.... 25.00



Mann's No. 5 B.

BONE CUTTERS.

Mann's Bone Cutters.

We can furnish any of Mann's machines to those who wish them. Ask for Special Catalogue.

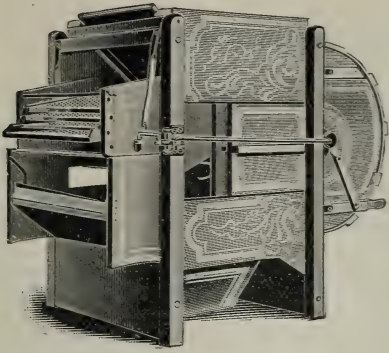
No. 5 C. With crank\$ 6.50

No. 5 B. With balance wheel..... 9.00

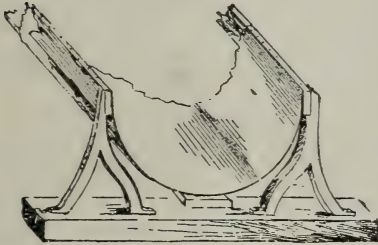
No. 5 B M. With balance wheel and iron stand 11.50

No. 7. New model open hinged cylinder. 13.50

No. 7½. Combination hand and power.. 19.00



We also have the celebrated NEW MICHAEL FANNING MILL; the best of its kinds made. This mill will separate rye from wheat, oats from wheat, cheat and cockle from wheat, plantain from clover seed, buckthorn from clover seed. Will also clean timothy seed perfectly. It is the only mill made that will absolutely separate wild oats from wheat. Price, \$28.00.



GALVANIZED IRON FLUMES.

Galvanized Iron Flumes are fast superceding wooden ones. They last a lifetime and cause no trouble by reason of leakage or need of repairs. Write for descriptive matter and prices.

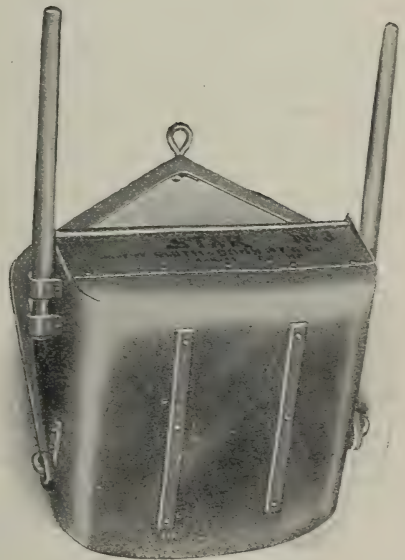


DOUBLE BOTTOM DRAG SCRAPER.

No. 1—Capacity, $4\frac{1}{2}$ cubic ft.; weight, 100 lbs.

No. 2—Capacity, $5\frac{1}{2}$ cubic ft.; weight, 104 lbs.

No. 3—Capacity, 7 cubic feet; weight, 115 lbs.



THE TWO RUNNER DRAG SCRAPER.

No. 1—Capacity $3\frac{1}{2}$ cubic feet, weight, 76 lbs.

No. 2—Capacity $4\frac{1}{2}$ cubic feet, weight, 90 lbs.

No. 3—Capacity $5\frac{1}{2}$ cubic feet, weight, 98 lbs.

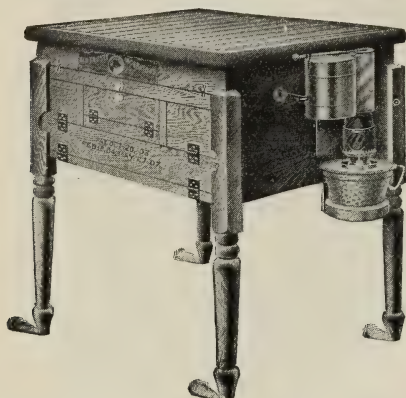
Write for Prices.



Galvanized Iron Watering Troughs for cattle, horses, sheep or storage, in successful use for more than fifteen years. Prices quoted on application.

"OLD TRUSTY" INCUBATORS AND BROODERS

Old Trusty Incubators and Brooders have been so long before the public that they need no introduction by us.



The Old Trusty was patented and is being manufactured by an experienced incubator man and years of study on the matter of incubation has rendered it possible for him to put out a machine that is as nearly perfect as is possible in any hatching machine. This Incubator has a record for high per cent hatches, it is easy to operate, simple in its parts and is economical to use. Over 120,000 Old Trusty Incubators now in use.

Made of California redwood and hard rolled sheet copper. Direct acting automatic regulator. Miller Safety lamp. All fixtures and tools of first quality. Notice the clear table top to lid; no need of an extra table to set the tray on while turning or airing the eggs.

Redwood is known for its durability and beauty. It neither shrinks nor swells and is entirely free from knots or checks.

The regulator comes attached and connected, and is set with a single adjusting nut. The purchaser is not muddled to know how to fit, connect and adjust, as is the case with a top lever, complicated regulator.

To see the eggs or thermometer, a small central door is opened. By this arrangement all sides of the egg chamber are of the same material as much as possible; hence, the radiation and other conditions are not upset as in the machine that has three sides wood and one side glass.

There is both an egg tray and a chick tray. Both are enclosed.

The safest and handiest lamp shelf ever put on an incubator. Is adjustable up and down and rigid in any position.

The tray runs in top and bottom slides and is self suspending at any point of withdrawal. This makes it convenient to examine or stir the eggs at any time without entirely removing the tray or holding up the front side. When in place the tray can be adjusted to let the

chicks drop through to chick drawer or to retain them in the egg tray.

As stated, the temperature is the most important thing, and, in this connection, we desire your close scrutiny of the direct-acting automatic regulator. It has many imitations, but no equal.

With the direct acting regulator the purchaser or operator does not need to connect a lot of intricate parts. There are no intricate parts in the Old Trusty. Starting up the incubator is only a matter of fastening the legs on, filling the heater and pipe system with water, and lighting the lamp. When the temperature gets up to 103, set the regulator, fill the egg tray and put it in. The machine is then in full operation; so easy and simple that any one can do it without previous study.

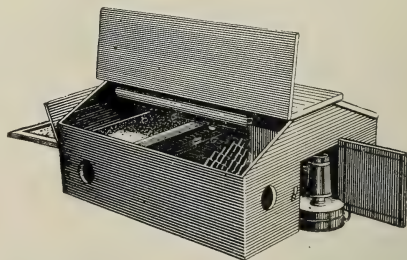
With incubators no hot air system equals the hot water pipe system in the Old Trusty.

With our double door arrangement, the opening of the top door lets us have access to the egg tray. By opening the whole or double door we have unobstructed access to egg chamber. If we desire to see the eggs and how the hatch is progressing we can do so through the central glass door, and without letting in or out any air, or if we desire to withdraw the egg tray, only the upper main door need be opened.

By this arrangement the eggs are incubated in the dark, as nature intended, and as the mother hen does it.

For the heating system we use 10 oz. hard rolled Lake Superior copper. We use the extra hard rolled, the fibres and pores are obliterated, besides it is smoother and handsomer than the cheaper grade.

Each size incubator holds more than rated.



THE OLD TRUSTY BROODER.

Made of the very best material throughout. Painted with two coats of durable paint, will stand the weather elements and last for years. The ventilation system is simple and positive, foul air is constantly being replaced with pure warm air. The mother hen is more than imitated, warms and mothers the chicks on the same principle, and is a great deal more faithful and certain.

The OLD TRUSTY Brooder sets flat on the ground, only enough space under the floor to allow free circulation of warm air. The floor is on a slight incline upwards from the front, which prevents the chicks from piling up. No teaching the chicks how to climb up. With the wire yard in front, which we furnish free, the chicks run in or out at will. They take to the brooder as they do to the mother hen. All the hen can do that the brooder can't do is to cluck and scratch. On the other hand, the brooder does not trail the chicks off to the wet grass and weeds for thieving cats to pick up at will.

The lamp box is of sheet steel. The lamp chamber is entirely separated from the chick chamber, so the fumes from the lamp cannot enter among the chicks or consume the air to the chicks' detriment. A sheet steel lamp box makes the brooder safe.

OLD TRUSTY is either an inside or outside brooder. During the late spring and summer months, it would be practical to place it out in the yard.

No kerosene would be equal to warming up the whole country in cold weather. Even if the brooder chamber could be kept warm at 10 degrees below zero, the chicks would die for want of exercise, or freeze if let out to run around.

Our prices given below on Old Trusty Incubators and Brooders are F. O. B. Denver, or if you allow us to make shipment direct to you from the factory in Nebraska, the freight will be prepaid to all Colorado common points, at prices named herein:

PRICE LIST.

100 egg Old Trusty Incubator (really holds 120 eggs).....	\$10.00
150 egg Old Trusty Incubator (really holds 175 eggs).....	12.50
200 egg Old Trusty Incubator (really holds 240 eggs).....	15.00
100 chick Old Trusty Brooder.....	\$5.50
150 chick Old Trusty Brooder.....	6.50
200 chick Old Trusty Brooder.....	7.50

When Incubator and Brooder are ordered together the price for both will be as follows:

120 egg Incubator and 100 chick Brooder.....	\$15.00
175 egg Incubator and 150 chick Brooder.....	18.50
240 egg Incubator and 200 chick Brooder.....	21.75

PORCELAIN NEST EGGS.

The "Opal" Brand are the best made. They are clean cut and uniform. Worth double the common ones. With these there is no danger of getting stale eggs mixed with the fresh ones, nor of the hens acquiring the habit of egg eating.

3 for 10c, 6 for 15c 12 for 30c. If by mail, 50c per dozen. We can supply in gross lots at special prices.

Lion Brand Bird Gravel. Per pint pkg., 10c. Cutlefish Bone for birds. Per oz., 10c; per lb., 60c.

Mixed Bird Seed, our own mixture. Per lb, 10c; 3 lbs, 25c.

Bird Seed Cups, each, 5c.

Bird Baths, each, 5c.

TESTED THERMOMETERS.

These thermometers are made solely for incubator and brooder use, and are thoroughly trustworthy. Buy a good thermometer and avoid risk.

Thermometer for incubator, postpaid, 60c each.

Brooder thermometer, postpaid, 45c each.



HYGROMETERS.

These are used to denote the humidity of the air in the egg chamber. By the use of one of these you can tell just what degree of moisture you have. Price, \$1.50 each.



Climax.



Improved Champion.

LEG BANDS.

The Improved Champion.—Made of pliable aluminum, which can be adjusted to fit any size of leg. Three-inch size for all ordinary breeds; 4-inch size for extra large and turkeys. All neatly numbered.

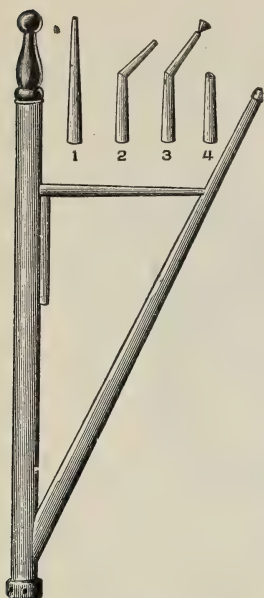
12 for 15c; 25 for 30c; 50 for 50c; 100 for 80c, postpaid.

Climax, or "Stay-on" Kind.—The rings are made of spring brass and so bent that the tag acts as a clasp, holding them securely in place. Tags are aluminum. Mention size wanted when ordering. No. 1, 1/2-inch, for bantams; No. 3, 3/4-inch, for Mediterraneans; No. 4, 7/8-inch, for Americans; No. 5, 1-inch, for Asiatics; No. 6, 1 1/8-inch, for turkeys.

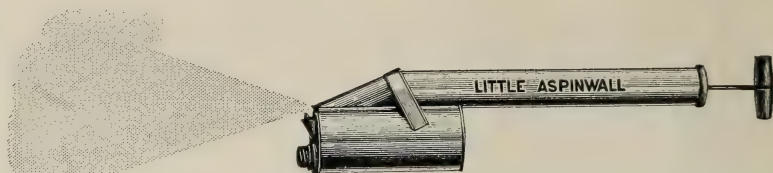
12 for 20c; 25 for 35c; 50 for 60c; 100 for \$1.00, postpaid.

Round Aluminum Wire Bands.—Made of wire aluminum, flattened where the number is placed. Sample free for the asking. The most satisfactory leg band on the market. Are used by a majority of the largest breeders in the West. They are easy to put on—never lose off; are very durable and of exceedingly light weight. No rough edges to irritate the fowl. Are very neat in appearance—perfectly round. Made in four sizes; No. 1, large, for American breeds, males; No. 2, medium large, for American breeds, females; No. 3 medium, Mediterranean class; No. 4, small, bantams.

12 for 20c; 25 for 40c; 50 for 75c; 100 for \$1.35, postpaid.



Novelty Sprayer.
Price, \$1.00.

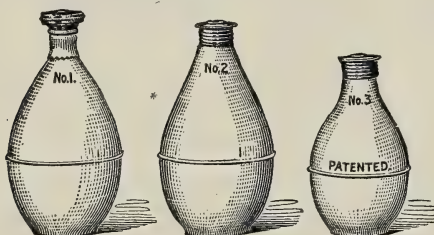


SPRAYERS.

Sprayers.— Nothing is more indispensable around a poultry house than a good Sprayer. One that will effectually spray whitewash is particularly valuable. In the Daisy, Little Giant, Fig. 601, No. 327, and the Novelty, we offer a choice of three of the very best low-priced sprayers made. They will force the whitewash into the cracks and crevices, thus eradicating all lice, red mites, and other vermin, and at the same time prove a most efficient disinfectant.

The Aspinwall is a good, cheap tin sprayer; very useful in a chicken house or for applying insecticides onto rose bushes, shrubs, etc. Price, 75 cents.

Pilling's Caponizing Sets, in plain case. \$2.50 per set, prepaid.



SCOLLAY'S SPRINKLER.

The very best. When once used you will wonder how you got along without it. For sprinkling plants, applying insecticides, etc., will last a lifetime. No. 1, large, \$1.00; by mail, \$1.10. No. 2 has an angle neck, \$1.00; by mail, \$1.10. No. 3, medium, 75c; by mail, 80c. No. 4, small, 60c; by mail, 65c.

"JUMBO" INSECT POWDER GUN.

This gun is designed for use with fine Persian Insect Powder; also the various powder insecticides. Holds 4 oz. Will out-last several of the cheaper guns.

Price, 25c; postpaid for 30c. Small size, "Star" Gun, holds 2 oz., 10c; by mail, 15c.

BELLOWS.

For powder. No. 14, holds 4 oz. Each...\$1.00
For powder. No. 19, holds 8 oz. Each... 1.25

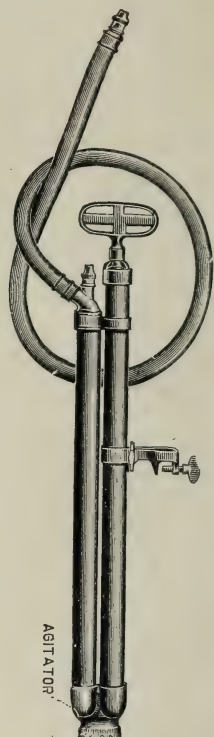


Fig. 601. No. 327.
Price, \$2.50.



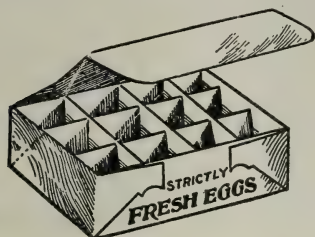
The Daisy. Price, 50c.

ANDERSON EGG CASE.

This box is made of corrugated paper, with a compartment for each egg; will withstand frost and the hard usage of transportation, insuring safe arrival; shipped flat, easily assembled.

Prices, setting, 15 eggs, 15c each; doz., \$1.25.

Two settings, 30 eggs, 20c each; doz., \$1.60.

**PAPER EGG BOXES.**

Just the thing to use to deliver eggs to customers. Makes a neat appearance and helps to sell the eggs at top prices. Prices, dozen, 15c; 100, \$1.00; 1,000, \$8.00.

GREEN CUT BONE GRANULATED.

Rich in phosphate of lime and animal fats. Price, 7 lbs, 25c; 15 lbs, 50c; 25 lbs, 75c; 100 lbs, \$2.25.

Fine Bone for Baby Chicks same price.

Granulated Bone No. 1—Coarse, Strictly Pure.—Consists of ground beef bone, thoroughly dried and free from grease. Rich in bone phosphate of lime, which is so necessary for making good egg shells and for building up the frame of the chicken. Should be placed in liberal quantities in a clean, dry place, accessible to the chickens at all times.

Price, 10 lbs, 50c; 25-lb sack, \$1.00; 50-lb sack, \$1.65; 100-lb sack, \$3.00.

Granulated Bone No. 2—Second Grade.—Made from good bones, though not selected.

Price, 10 lbs, 35c; 25-lb sack, 75c; 50-lb sack, \$1.35; 100-lb sack, \$2.25.

Green Cut Meat and Bone—Dried.—This is a Western product and a most excellent food, having all the elements necessary to make healthful growth. The meat is sufficiently evaporated to prevent becoming rancid. Keeps well. Should be placed in liberal quantities in a clean, dry place, easily accessible to the chickens at all times.

Price, 7 lbs, 25c; 15 lbs, 50c; 25 lbs, 75c; 100-lb sack, \$2.25.

Dried Meat, Bone and Blood.—Similar to above, with addition of blood.

Price, 6 lbs, 25c; 13 lbs, 50c; 25 lbs, 85c; 100-lb sack, \$2.75.

DEODORIZED BLOOD MEAL.

A highly concentrated albuminoid food; should be fed sparingly in mash to chickens, thoroughly mixed, about 5 per cent. by weight; is excellent for winter egg production.

Price, 4 lbs, 25c; 10 lbs, 50c; 25 lbs, \$1.25; 100 lbs, \$3.50.

HIGH PROTEIN BEEF SCRAPS.

Beef dried and ground coarse, can be fed the same as grain or in a box. Is less liable to cause looseness of the bowels if the stock gets too much than the blood meal; can be fed as

high as 12 per cent. of the daily food.

Price, 4 lbs, 25c; 25 lbs, \$1.25; 50 lbs, \$2.00; 100 lbs, \$3.75.

HIGH PROTEIN MEAT MEAL.

Is the same as the Beef Scraps except that it is ground fine and is used principally in mashes with results equal to raw meat; some of the largest farms in the world use this.

Price, 10 lbs, 50c; 25-lb sack, \$1.00; 50-lb sack, \$1.75; 100-lb sack, \$3.00.

CHARCOAL.

Pure granulated charcoal should be fed at least once a week during the year to all fowls. Acts as a correction to any sour condition of the craw. Most fanciers keep a can or box full hanging on the wall, granulated or powdered.

Price, 3 lbs, 25c; 10 lbs, 70c; 25 lbs, \$1.35; 100 lbs, \$3.50.

OYSTER SHELL.

Phosphate and carbonate of lime, both essentials for egg shells and feather formation; without them the egg yield will drop off one-half.

Price, 10 lbs, 25c; 100 lbs, \$1.25.

GREY GRANITE GRIT.

Crushed and sized granite, the teeth of all fowl, is very essential to supply silica for the feathers. Will stay sharp to the finest particle. Contains 3 per cent. sulphur. Mention, in ordering, whether chick or hen size.

Price, 10 lbs, 20c; 100 lbs, \$1.25.

ALFALFA MEAL.

This is alfalfa hay reduced to a meal containing the entire product. It is a grand green food for winter. It furnishes protein, lime and other material salts. Fowls relish it immensely, and it insures an increase of fertile eggs.

Price, \$1.50 per 100 lbs. Less sack lots at 2c per lb.

PIONEER HEN MIXTURE.

Prices fluctuate.

Composed of twelve varieties of grains, a small quantity of bone, oyster shell and grit; this mixture is a complete feed in every sense, will make the hens lay more and in the breeding season the eggs will hatch better. Will more than pay for the extra cost over any other grain feed.

Price, 10 lbs, 25c; 50 lbs, \$1.00; 100 lbs, \$1.75.

Chamberlain's Perfect Chick Feed.—This food stands alone, recognizes no competition, has no enemies amongst the consumers, and is the only original dry feed. Try it.

Price, \$3.00 per 100-lb sack, F. O. B. Denver.

PIONEER MASH.

All said of the Pioneer Hen Mixture can be said of this; is ground grains, alfalfa meal, and meat meal; feed all the hens will clean up in a half hour.

Price, 10 lbs, 30c; 50 lbs, \$1.15; 100 lbs, \$2.00.

PIONEER CHICK FEED.

Our Pioneer Chick Feed contains no grit, so add this to the ration. Good, clean sand or crushed egg shells are good to commence with, and should be their only feed for the first twenty-four or forty-eight hours. Then give them all they will eat of Pioneer Chick Feed.

Price, 10 lbs, 35c; 50 lbs, \$1.60; 100 lbs, \$3.00.

OLD PROCESS OIL MEAL.

Should be cooked to a sloppy porridge, one pint of meal to two dozen fowls, fed in mash at moulting time twice a week.

Price, 10 lbs, 30c; 100 lbs, \$2.50. Price fluctuates.

Wheat, corn, sifted cracked corn, barley, buckwheat, rye, Kaffir corn, amber cane, millet, etc., at market prices.

MILLET SEED.

Let your fowls "work for their living" by scratching in litter for millet seed. It is a good food for the growing chicks.

Price, 8 lbs, 25c; 25 lbs, 60c; 50 lbs, \$1.00.

RUSSIAN SUNFLOWER SEED.

All high authorities on poultry topics recommend sunflower seed to be fed as a variety to poultry of all kinds. It is also excellent parrot food.

Price, 1 lb, 10c; 3 lbs, 25c; 7 lbs, 50c; 15 lbs, \$1.00. Ask for prices for larger quantities.

RED PEPPER.

This can be mixed with soft food and fed to advantage.

Price, per lb, 25c; 5 lbs, \$1.00.

Peerless Gopher Killer is a quick and positive exterminator for gophers, ground squirrels or prairie dogs. Price, per quart can, 75c.

SPRATT'S DOG CAKES.

The standard dog food, a staple and constant food for all breeds of dogs. Per lb, 10c; 3 lbs, 25c.

SPRATT'S PUPPY BISCUITS.

A perfect and whole food for all breeds of puppies. Should be started on these biscuits when about one month old and they should be continued until teeth are good and strong, then feed dog cakes. Per lb, 10c; 3 lbs, 25c.

PEERLESS BUG KILLER.

Kills bed bugs, roaches, ants, etc. It is a liquid that does not stain, but on drying deposits a fine insect powder in every crack and crevice. Price, 25c per bottle.

Persian Insect Powder, strictly pure. ¼ lb, 20c; ½ lb, 30c; 1 lb, 50c.

Lion Brand Grafting Wax. ½ lb, pkg., 15c.

FLOWER POTS AND SAUCERS.

Price List.

		Per Doz.	Per 100
2	inch Pots	\$.015	\$0.90
2½	" "	.20	1.10
3	" "	.30	1.50
4	" "	.45	2.15
5	" "	.60	3.60
6	" "	.75	5.00
7	" "	1.00	6.00
8	" "	1.25	8.00
9	" "	1.50	11.00
10	" "	2.00	14.00
4	" Saucers	.35	1.75
5	" "	.50	2.15
6	" "	.60	3.25
7	" "	.70	3.75
8	" "	.80	5.00
9	" "	1.00	6.00
10	" "	1.25	8.00

We also carry in stock Conkey's & Lee's Poultry Remedies and Cures as follows:



LEE'S LICE KILLER (Liquid).

A can of Lee's Lice Killer, a paint brush, or, better still, an Aspinwall Sprayer, and a few minutes' work in applying it to the roosts, are all the expense and labor now necessary to keep the fowls free from both mites and body lice. A can of it should be in every poultry house. It kills and prevents both mites and lice, and keeps the air in the poultry house pure and sweet (a healthful tar odor), killing disease germs and preventing the other enemies of the poultryman—roup and cholera.

1 qt. can, 35c; ½ gal. can, 60c; 1 gal. can, \$1.00; 5 gal. can, \$4.00.

LEE'S GERMOZONE.

Cures roup, canker, swelled head, etc. We can furnish it in liquid form, in 12 oz. bottles, for 50c. Can't be mailed. For mailing it is put up in tablet form for 50c, postpaid.

LEE'S EGG MAKER AND CHICK GROWER.

A Highly Nutritious Food for Fowls.

Containing bone, blood, powdered roots, etc. This article gives splendid satisfaction and is a big seller with us.

Price, 2½ lb package, 25c; 5½ lb package, 50c; 25 lb pails, \$2.00.

CONKEY'S CELEBRATED ROUP CURE.

Will cure roup in all its forms. It is easily administered, simply putting it in drinking water and the fowls take their own medicine. It prevents colds, and is unequaled for canker, especially in pigeons. One 50c package makes twenty-five gallons of medicine; a \$1.00 package makes seventy-five gallons. Give it a trial.

Price, regular size, 50c.

Dr. Shepard's Anti-Toxine is a sure cure for roup as well as a preventative. Easy to use, safe and reliable. One box of No. 1 and one box of No. 2 make a set.

Price, 25c single box or 50c per set.

Sulphur Fumigating Candles, 15c each; by mail, 25c.

Flour of Sulphur, good to remedy canker mouth, also to burn as a disinfectant. 1 lb, 10c; 4 lbs, 35c; 10 lbs, 50c.



CONKEY'S LICE POWDER.

CONKEY'S EGG PRODUCER AND POULTRY TONIC.

To lay eggs regularly the fowl's health must be as nearly perfect as possible and the egg producing organs must be kept free from disease and irritation. CONKEY'S EGG PRODUCER is a compound of vegetable extracts, herbs, roots, etc., so proportioned that they act gently on the fowl's internal organs, relieve and remove any irregularities that exist and tone up the system. In addition to this it provides elements which are absolutely essential to egg production and which the ordinary ration does not contain. It is primarily an EGG PRODUCER, not a cure-all, and we guarantee that when given according to directions it will positively increase the egg production. It is of the utmost value to chicks and fowls of all ages, developing strength and vigor, and can be used with excellent results at moulting time. It is entirely different from other articles, and stands by itself. Try it.

2½-lb package, 35c; 25-lb pail, \$2.50.

CONKEY'S HEAD LICE OINTMENT.

Head lice kill thousands of little chicks annually. They fasten themselves on the chick's head and neck as soon as hatched, and quickly sap up all the chick's vitality. CONKEY'S OINTMENT is a nonpoisonous, perfumed preparation, always ready for use, and is INSTANT DEATH to these insects. Also good for scaly legs.

Price 1 oz. tin, enough for 100 applications, 10c postpaid.

Price 3 oz., tin, enough for 300 applications, 25c postpaid.

Sturtevant's Imperial Egg Food.

Do not give medicine to well hens to force laying. If you do, you create an inflammation of the ovaries and reproductive organs, which is very apt to destroy the usefulness of the hen.

Imperial Egg Food is Not a Medicine.

It is a chemical food, and contains the chemical elements nature intended for egg formation, and which cannot be obtained by a hen confined to a small yard or limited quarters. These elements are gathered and stored for use by the hen at liberty. The greater the supply, the more eggs laid.

This preparation acts as a nerve tonic and system builder, and contains bone, blood and feather-making material.

FOR SUCCESSFULLY KILLING body lice, nothing can equal a powder which is properly made. CONKEY'S LICE POWDER is the result of the most careful study and research and is a combination which will positively kill these pests, and yet which is harmless to fowls of all ages. It is claimed to be the strongest and most effectual powder on the market. It will kill lice on poultry, cattle and horses; ticks on sheep; fleas on dogs; and vermin of all sorts; also bugs on cucumber, squash and melon vines, slugs on rose bushes, etc. An efficient disinfectant and germ destroyer. CONKEY'S LICE POWDER is guaranteed to satisfy you.

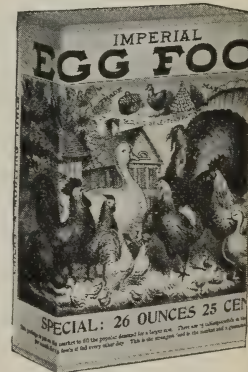
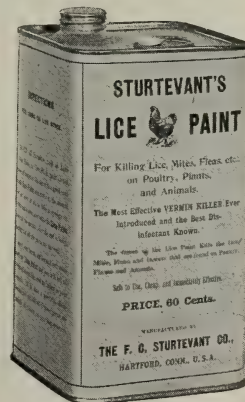
Price, 5-oz. box, 10c; 15-oz. box, 25c; 48-oz. box, 50c; 100-oz. box, \$1.00.

Add 1 cent per ounce for postage.

NICTO NAPTO LICE KILLER.

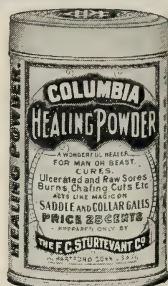
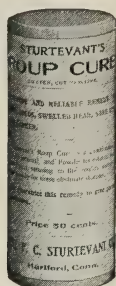
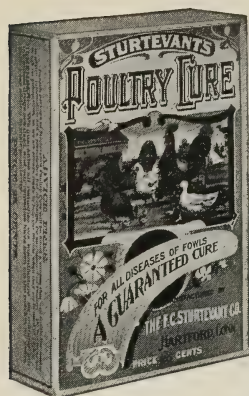
This is strictly a Western product and is very popular among poultrymen. It being very fine, is especially adapted for use on young chicks and setting hens. Is harmless to the youngest chick, yet very effective as a lice exterminator.

Regular size can 25c; medium size can 50c; large size for \$1.00.



Give to moulting fowls—it will aid them. Feed to the little chicks to give strength and promote quick growth and early feathering.

Price, 26-oz. package, 25c; 60-oz. package 50c.



Sturtevant's Poultry Cure.

Especially prepared for the purpose of keeping fowls in a healthy condition.

Intelligent care exercised in keeping the houses dry, well ventilated, but so as to prevent direct drafts on the fowls, properly disinfected and free of vermin, and Sturtevant's Poultry Cure given to the flock at regular intervals will make poultry keeping a pleasant, profitable, and satisfactory occupation.

As a preventive this article has no equal, and as a cure for the many minor diseases—Colds, Influenza, Pip, Gapes, etc., it stands without question.

The immense sale it enjoys is the best recommendation it can have.

Price, regular size, 25c and 50c per package.

Sturtevant's Thanolice.

A powerful insecticide in powder form, to be used by dusting on the bird, and in the nests.

Sturtevant's Lice Paint.

The most penetrating and effective liquid vermin destroyer and disinfectant ever discovered. Potent beyond belief, as it kills without coming in contact. The fumes kill lice, mites, and all vermin.

It is twice the strength of any other similar preparation on the market, sells at the same price. The best disinfectant known for chicken houses and yards, and the hog pens.

Prices, Sturtevant's Thanolice, 25c, 50c, \$1.00 per package. Sturtevant's Lice Paint, quart, 35c; half gallon, 60c; 1 gallon can, \$1.00.

Sturtevant's Roup Cure.

This disease is of the nature of a catarrhal affection. The symptoms being the discharge of an offensive mucous from the nostrils, swelling of the head, sore eyes, coughing and hoarseness.

The disease is contagious and fowls afflicted with it should be kept to themselves in dry, properly ventilated, and well disinfected quarters.

Disinfect both old and new quarters with Sturtevant's Lice Paint, and then use Sturtevant's Roup Cure. Price, 50c.

Columbia Stock Food.—Sturtevant's. Not a food, but a system regulator, a tonic, an appetizer, a renovator. Regulates the bowels, purifies the blood, aids digestion and assimilation of food. Produces a healthy condition and sleek coat.

For milch cows it will increase flow and richness of milk. Prevents slinking. Creates rapid growth of young calves and pigs. Price, 25c, 50c and \$1.00 per package.

Columbia Healing Powder.—A wonderful healing agent. Very effective; easy to apply. Simply sprinkle on the sore—the powder does the rest. It only takes two or three days to heal up the worst cases of Sore Backs and Shoulders. You do not believe this, because you have not tried it. Use it on any sore—man or beast. Price, regular size, 25c and 50c.

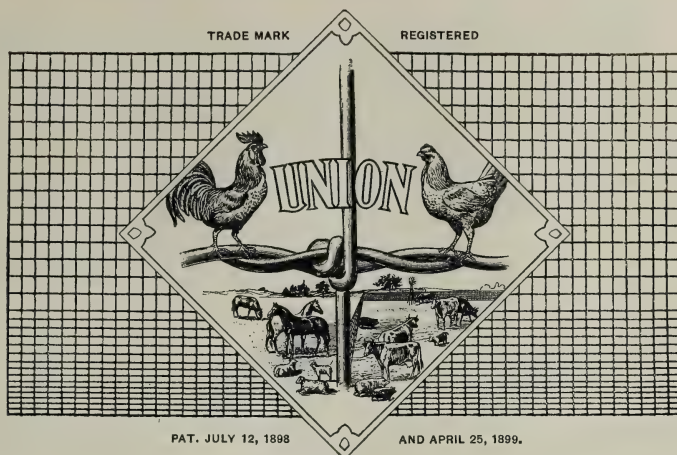
Columbia Gall Cure.—An ideal ointment for saddle or collar galls, harness chafings, cracked teats, sores, ulcers, and all cases where an ointment is indicated. Good for man or beast. Especially good for burns. Best article; largest package on the market. Price, 25c and 50c.

Columbia Liniment.—This valuable embrocation is especially adapted to relieving pain, reducing inflammation and swellings, removing by absorption all lumps and enlargements. Very efficacious for sprains, bruises, curb, splints, spavin, ring bone and enlarged hocks. Try Columbia Liniment and you will always use the same when a liniment is needed. Price, 50c.

Columbia Worm Powder will remove worms and intestinal parasites. A safe and speedy remedy. Loss of appetite, thin flesh, rough coat, tucked-up appearance of the belly indicate the presence of worms. Columbia Worm Powder is guaranteed. Price, 50c.

Columbia Cough Cure.—A speedy cure for coughs, colds, distemper, epizootic, pink eye, muco-enteritis, influenza, bronchitis and kindred diseases. Price, 50c.

Columbia Heave Cure will relieve and cure all cases of heaves, asthma and broken wind. This remedy never fails to give relief and will

**UNION LOCK POULTRY FENCING.**

This is the best and most practical and at the same time the most economical poultry fencing manufactured. The wires at the bottom are one and one-quarter inch mesh, gradually widening toward the top. The fence can be used for either small or large stock. Then, too, the wire running horizontal and perpendicular, the fence can be stretched on uneven ground without sagging or buckling at either top or bottom. The horizontal wires are all composed of two No. 20 galvanized steel cables, twisted together. The pickets are No. 19 galvanized steel wires 3 inches apart. The rolls contain ten full rods (165 feet). Give this fencing a trial, and we are convinced you will have no other.

Height, 48 inches; weight, 45 lbs per bdl.; net price per bale of ten rods, \$4.50.

Height, 60 inches; weight, 50 lbs per bdl.; net price per bale of ten rods, \$5.00.

Height, 72 inches; weight, 60 lbs per bdl.; net price per bale of ten rods, \$6.00.

We can supply the common poultry netting if wanted. Prices on wire fencing are subject to fluctuation.

DRINKING FOUNTAINS.

The Henfriend.—Made of the very best galvanized iron, 8x8x12. Holds 2½ gallons of water; protected from the dirt and yet easy to clean. Easy to fill and carry as a pail. Keeps the water cool in summer, and is also especially adapted for watering fowls in cold weather.

Filled with hot water, it will not freeze for several hours in zero weather. Can be filled with grain and used as a feed trough, and is especially good for feeding or watering young chicks.

No. 1 size, 8x8x12, holds 2½ gal. \$.60

No. 2 size, 6x6x9, holds 1¼ gal.45

No. 3 size, 4x4x6, holds 1-3 gal.25

Stone Jugs, ½ gallon, each.20

Stone Jugs, 1 gallon, each.30

Galvanized Conical Fount, 1 quart, each. .25

Galvanized Conical Fount, 2 quart, each. .35

Cypher's Galvanized Fount, 1 gallon, each. .75

Cypher's Galvanized Fount, 2 gallon, each. 1.00

effect a permanent cure where the case is not of too long standing. Price, 50c.

Columbia Colic Cure.—A reliable remedy in all cases of colic of horses and cattle. Price, \$1.00.

Columbia Kidney Cure.—If your horse has kidney trouble, foul water, weak back or any symptoms of derangement of the urinary organs, try Columbia Kidney Cure. This remedy cannot be excelled, as it is composed of the best drugs known to science for the treatment of kidney and urinary ailments. Price, 50c.

Columbia Hoof Oil.—Invaluable for the feet of all horses. It will soften and cure brittle hoofs, corns, quarter-cracks, speed-cracks, contracted feet, etc. Price, 50c.

PRUSSIAN REMEDY CO.'S GOODS.

Prussian Poultry Food.—Not only a food to make hens lay, but to keep them in health and free from roup. Put up in 25c, 50c, \$1.00 and 25-lb pails, \$3.50.

Prussian Liquid Lice Killer.—Paint the roosts and corners of nests; frees the fowls and house of vermin. 50c per half-gallon can.

Prussian Lice Powder.—A new departure in poultry powder; free from sulphur, lime and tobacco dusts. 26-oz. can, 25c; 60-oz. can, 50c.

Prussian Stock Foods.—Especially recommended for dairy and to fatten all kinds of stock; is giving satisfaction to our local trade. Put up in 25c, 50c, \$1.00 packages; 25-lb pails, \$3.50.

Prussian Calf Food.—We have used this and find it good. \$1.50.

Prussian Special Stock Food for fattening cattle and sheep. ¼ bushel, \$1.00; ½ bushel, \$1.75.

Prussian Knapo-Curo.—Disinfectant, insecticide, germicide and antiseptic for sick room, garbage receptacles, closets, ringworm, wounds, thrush, hog and chicken cholera, etc. 50c cans.

Prussian Fly Knocker.—Keep your horses and cattle from fly pests; harmless to hair and skin; will drive flies from room, etc. Price, 50c.

Prussian Barb Wire Liniment.—A guaranteed cure for barb wire cuts, leaving no scars. 50c per bottle.

THOROUGHBRED EGGS FOR HATCHING.

	Eggs per Setting.
Light Brahmas	\$2.00
Barred Plymouth Rocks.....	1.50
White Plymouth Rocks.....	2.00
White Wyandottes	1.50
Black Langshans	2.00
Rhode Island Reds.....	2.00
Black Minorcas S. C.....	2.00
Black Minorcas R. C.....	2.00
Brown Leghorns S. C.....	1.50
Brown Leghorns R. C.....	1.50
White Leghorns S. C.....	1.50
White Leghorns R. C.....	1.50
Buff Leghorns S. C.....	2.00
Mammoth Pekin Ducks.....	2.00
Toulouse Geese	
Mammoth Bronze Turkeys.....	2.00
Pearl Guineas	1.50

Thirteen eggs constitute one sitting for hens,
nine for turkeys, eleven for ducks.
No eggs sent C. O. D.

INCUBATOR AND BROODER LAMPS.

These are the lamps used with the Model Incubators and Brooders. The bottoms are seamless and heavily galvanized after stamping, and will last for years.
Large size for Nos. 1, 2 or 3 Incubators, Colony Brooders and Double Indoor Brooders, 90c.
Small size, for No. O Incubator or Single Indoor Brooder, 75c.
Can be sent by express only.



OAKE'S HYDRO-SAFETY LAMP.

No. 1 size, brass.....	\$1.25
No. 1 size, tin.....	1.00
No. 2 size, brass.....	1.75
No. 2 size, tin.....	1.25
No. 3 size, brass.....	2.25
No. 3 size, tin.....	1.75

Can be sent by express only.

MODEL HIGH LIGHT EGG TESTER.

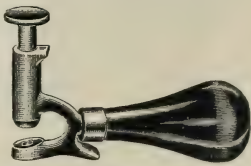
This tester has an exceedingly strong reflected light, and with it white shelled eggs may be successfully tested about the third day; dark shelled ones about the fifth.
Price, with lamp, \$1.50.
Can be sent by express only.

POULTRY MARKERS.

A necessary tool if you wish to know "which chickens are which" when you come to mate up your yards. A small hole punched in the



Champion.



Boston.

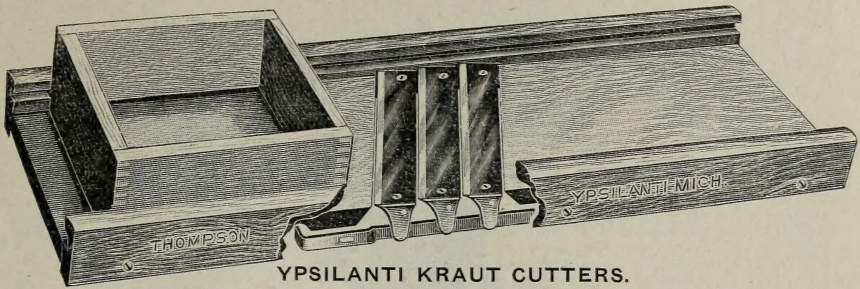
web between toes of little chicks will effectually mark them for future reference.
Price Champion, 15c each, postpaid.
Price Boston, 25c each, postpaid.

HINTS ON POULTRY RAISING.

1. Construct your house good and warm, so as to avoid damp floors; and afford a flood of sunlight; sunshine is better than medicine.
2. Provide a dusting and scratching place, where you can bury wheat and corn, and thus induce the fowls to take the needful exercise.
3. Provide yourself with some good, healthy chickens, none to be over three or four years old, give one male to every twelve hens.
4. Give plenty of fresh air at all times, especially in summer.
5. Give plenty of fresh water daily, and never allow the fowls to go thirsty.
6. Feed them systematically, two or three times a day; scatter the food so that they can not eat too fast, and do not feed more than they will eat up clean.
7. Give them a variety of both dry and cooked feed.
8. Give soft feed in the morning, and whole grain at night.
9. Above all things keep the hen house clean and well ventilated.
10. Do not crowd too many in one house; if you do, look out for disease; introduce new blood into your stock every year or so, by either buying a cockerel or a setting of eggs from reliable breeders.
11. In buying birds or eggs, go to some reliable breeder who has his reputation at stake; culls are not cheap at any price.
12. Save the best birds for next year's breeding, and send the others to market.

TIME OCCUPIED TO HATCH EGGS BY VARIOUS BIRDS.

Hen, twenty-one days; duck, twenty-eight days; turkey, twenty-six days; goose, thirty days; pigeon, eighteen days.

**YPSILANTI KRAUT CUTTERS.**

Made of extra quality Sugar Maple
Sanded so they are very smooth
Finished in the white
Perfectly fitted sliding box
Heavy steel stampings
Stampings triple tinned to prevent rusting
Tool steel knives with polished cutting edge
Knives red enamel finish up to edge

The knives all set at one operation
Thickness of cut instantly changed
Knives held firmly in position by lock put
Knives sharpened without removing
No slots or holes to fill up and clog the machine
The simplest, cleanest and most perfect Cutter
No. 50—2 knives, with box 8x26 in., each..\$1.40
No. 55—3 knives, with box 8x26 in., each.. 1.75

NO. 20. BANNER ROOT CUTTER.

This style meets with a large sale, because most of the farmers who feed roots to stock want a machine that is run by hand. It has a capacity of 30 to 50 bushels per hour.

NO. 16. BANNER ROOT CUTTER.

This machine can be used for hand or power, and it is the only cutter we sell having a balance wheel. It is also supplied with a pulley for belt power, and a crank, so it can be used by hand; in fact it is a small size power cutter, and the best machine for hand and power use. It runs easily by hand.

Capacity when run by hand, 30 to 50 bushels per hour. Capacity when run by power, 1 to 3 bushels per minute. This Cutter has the self feeder and dirt separator.

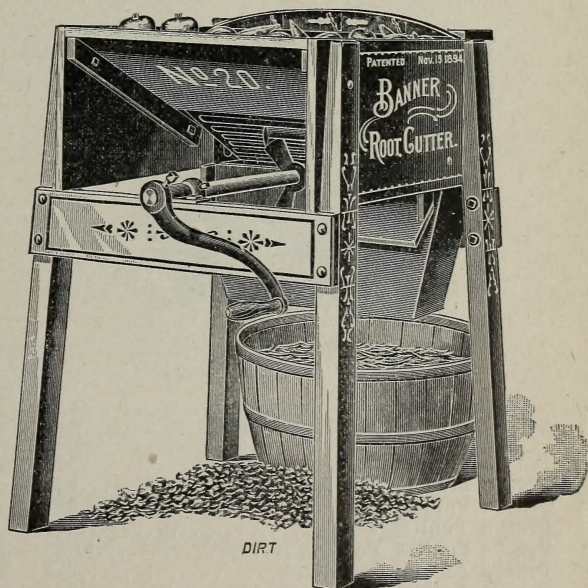
The Pulley, 12 inches in diameter, with a 3-inch face, and fastens to either end of shaft. It has lugs on bottom of legs so it can be fastened to the floor. Weight, 150 pounds.

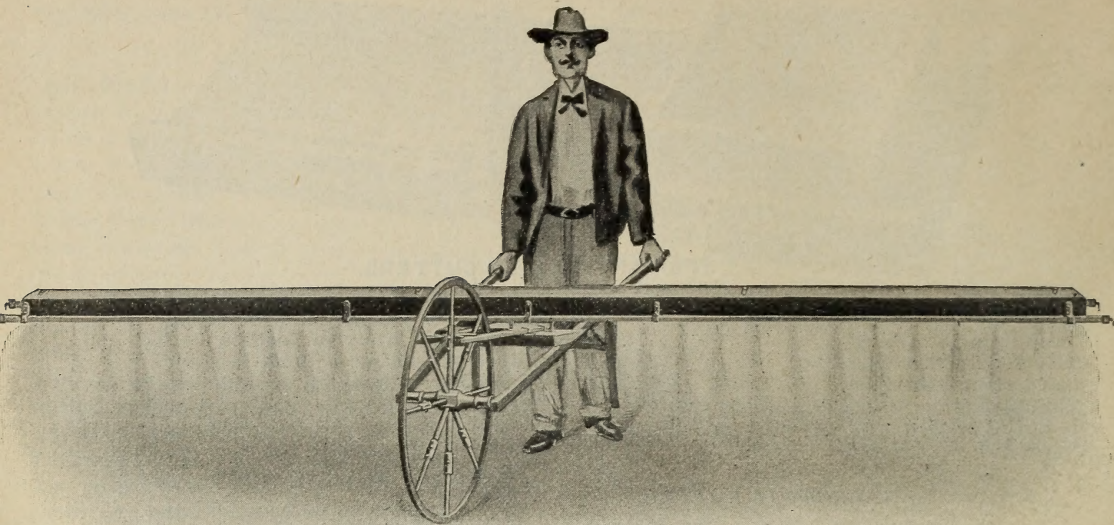
Price of No. 20 Cutter, complete.....\$12.00
Weight, 120 pounds.

Price of No. 16, complete for both hand and power 20.00
Price of No. 16 with crank only..... 18.00



FRANK REISTLE, ENG. DENVER





ADVANTAGES Of our Wheelbarrow Seeder for Sowing Clover and Grass Seeds.

The method of sowing seeds with this style of seeder is the correct way, for the following reasons:

- First**—It sows evenly and accurately any amount required per acre.
- Second**—It will not bunch or injure the seed.
- Third**—It can be used in windy weather when it is impossible to sow by hand.
- Fourth**—It will distribute chaffy seeds, as well as other varieties, evenly the entire length of hopper, and is absolutely the only Seeder made that will sow chaffy seeds.
- Fifth**—It is universally used throughout the

country, there being now over 65 thousand in operation.

Sixth—It is economical because it will sow the exact amount it is set to sow, and no more. Can buy a seeder with the amount one will save in sowing 50 acres.

Seventh—It runs easily. Any man or boy can sow with it.

Eighth—Seeds can be sown either mixed or separately.

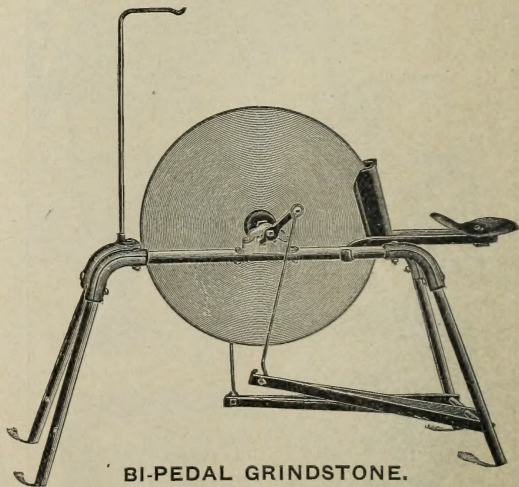
Ninth—The complete Seeder weighs from 40 to 50 pounds.

Prices, 12 ft., \$6.50; 14 ft., \$6.75, each.



We also carry in stock Pratt's Food in the following packages:

Pratt's Lice Powder.....	25c
Pratt's Lice Powder.....	50c
Pratt's Poultry Food	25c
Pratt's Poultry Food.....	50c
Pratt's Poultry Food.....	\$1.25
Pratt's Animal Regulator.....	25c
Pratt's Animal Regulator.....	75c



BI-PEDAL GRINDSTONE.
Tubular Frame with Roller Bearings.

Can be operated with less power than any other grindstone made.

No. 10, 30-inch Stone.....	price, \$7.50
No. 20, 24-inch Stone.....	price, 6.50



POULTRY BOOKS TELL HOW TO MAKE MONEY

They are filled with the writings of eminently successful poultrymen—the recognized experts in the subjects they deal with; they explain clearly how to conduct every branch of the poultry business successfully; they give the methods, the schemes and the latest ideas in actual use by the foremost poultrymen of the world.

SUCCESS WITH POULTRY contains the successful methods of feeding, housing and mating fowls, hatching, rearing and marketing chickens, ducks, geese and turkeys followed by the most prominent poultrymen. A trust worthy guide. **Fifth Edition**, 116 pages, 105 illustrations..... **\$1.00**

ARTIFICIAL INCUBATING AND BROODING This work solves all the problems of artificial incubating and brooding. Tells how to obtain strong-germed, fertile eggs, how to operate incubators and brooders, grow the greatest percentage of chickens, etc. 92 pages of results gained from practical experience. An indispensable work. **Second Edition**, 71 illustrations..... **50c.**

BARRED, WHITE AND BUFF PLYMOUTH ROCKS Make money and save years of useless breeding by adopting the rules of mat- ing followed by the most successful Plymouth Rock breeders of America. Specialists describe clearly and concisely their methods of mating and breeding. Three color plates—one of each variety. **Fourth Edition**, 118 pages, 3 color plates, 82 illustrations..... **50c.**

THE WYANDOTTES Tells how to mate, breed and exhibit all (6) varieties of Wyandottes. Includes the complete methods of the leading Wyandotte specialists. Numerous full-page standard charts. Handsome color plates of White and Partridge Wyandottes. **Second Edition**, 86 pages, 2 color plates, 76 illustrations..... **50c.**

THE LEGHORNS The best illustrated Standard of all varieties of the popular Leghorns. Mating schemes are described clearly for each variety. You cannot afford to be without this valuable information. Color plate of prize winning White Leghorns **Second Edition**, 78 pages, 37 illustrations..... **50c.**

ASIATICS Breeders of Brahmans, Cochins and Langshans should read this modern work. Contains the "inside" information so necessary to success and impossible to secure elsewhere. Contains standard or ideal charts of all the varieties. Color plates of Buff and Partridge Cochins. 100 pages of practical advice, 2 color plates, 72 illustrations..... **50c.**

EGGS AND EGG FARMS The most practical work published on the profitable production and marketing of eggs. A few of the money-making chapters are: how to obtain eggs in winter; how to secure strong-germed fertile eggs, pedigree-breeding to produce a heavy-laying strain, etc. **Second Edition**, 100 pages, 62 illustrations..... **50c.**

POULTRY HOUSES AND FIXTURES Shows plans of low-cost, practical and labor-saving houses, designs for all inside fixtures, such as nest boxes, roosts, drop boards, etc., also coops for young chickens, roosting coops, and all other necessary appliances. Valuable for the farmer or poultryman **Sixth Edition**, 36 pages, 64 illustrations..... **25c.**

DUCKS AND GEESSE Contains the actual labor saving methods followed on the great duck ranches, and by farmers who make duck and geese growing profitable branches. Gives all details of hatching, rearing, fattening and marketing geese. **Second Edition**, 68 pages, 34 illustrations..... **50c.**

TURKEYS Every detail of the turkey business is explained fully and clearly in this up-to-date and practical work. It solves comprehensively the different branches in the market and standard-bred turkey industries. Written by the world's foremost turkey growers, among whom are Mrs. Mackey, Mrs. Jones, S. B. Johnston, J. F. Crangle, W. J. Bell, B. F. Ulrey, B. F. Hislop, W. A. Moon, etc. You can make money by growing and marketing turkeys. F. L. Sewell has painted an ideal pair of Bronze Turkeys for a frontispiece. **Second Edition**, 84 pages, 1 color plate, 37 illustrations..... **50c.**

BANTAM FOWL The most complete and best illustrated Bantam book published. Mr. T. F. McGrew, judge and breeder, tells how to house, feed and grow Bantams, how to select and fit the best for the shows, how to treat their diseases. **Second Edition**, 72 pages, 74 illustrations..... **50c.**

RELIABLE POULTRY REMEDIES Points out the causes, describes the symptoms so that every one can understand them, and gives simple and tested remedies for roup, cholera, gapes, scaly-legs, and all other diseases. **Fifth Edition**, 84 pages (5 by 6 inches)..... **25c.**

Any of these books will be mailed postage prepaid on receipt of price.

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